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AMMONIA IR ABSORBANCE MEASUREMENTS WITH AN EQUILIBRIUM VAPOR CELL



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14. ABSTRACT Infrared (IR) absorbance spectra were acquired for 18 ammonia vapor pressures. The vapor pressures were generated with 15 gravimetrically prepared aqueous solutions and three commercial aqueous solutions using a dynamic method [i.e., equilibrium vapor cell (EVC)]. Background IR spectra were obtained using the vapor pressure of distilled water. The IR absorbance (A) measurements were analyzed by computing ammonia vapor mole fractions (Y) or partial pressures (P) as a function of solution mole fractions (X). The Y versus A furnished a superior data fit over P versus A for the prepared and two commercial solutions. The linear regions of these data fits allowed prediction of Y and P for the third commercial 5% V/V ammonia solution. Eight times zero filling of IR interferogram data allowed a more accurate determination of the ammonia spectral band peak positions. The zero filled results were compared to the results with no zero filling. Program listings, analysis results, and IR absorbance spectra were tabulated in an extensive set of appendixes. Titration of two prepared aqueous ammonia solutions demonstrated the reliability of gravimetric solution preparation, as well as showing that storage of an aqueous ammonia solution for a period exceeding 2 years had no significant effect on ammonia concentration.					
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PREFACE

The work described in this report was authorized under Project No. 21050/CB2, Exploratory Development, and Contract No. DAAD05-99-T-1052. The work was started in December 1999 and completed in September 2003.

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AMMONIA IR ABSORBANCE MEASUREMENTS WITH AN EQUILIBRIUM VAPOR CELL

1. INTRODUCTION

This report furnishes the ammonia infrared (IR) absorbance spectra that are derived from fifteen gravimetrically prepared and three commercial aqueous ammonia solutions. Background vapor phase absorbance spectra were collected using pure water to provide a zero ammonia concentration reference. Previous studies using this dynamic vapor liquid equilibrium technique to maintain controlled vapor concentration were made on aqueous volatile organic compound (VOC) solutions for vapor generation in IR absorbance measurements.¹

The ammonia vapor IR absorbance spectra and water vapor absorbance spectra are obtained from IR interferogram data by monitoring the contents of the dynamic equilibrium vapor cell (EVC) with a traditional bench Fourier transform infrared (FT-IR) spectrometer. The equilibrium vapor cell partial pressures are determined by the concentration of ammonia solute in the circulating nitrogen gas bubbled through the aqueous solution in the EVC configuration.² A plot of absorbance versus the EVC generated ammonia vapor mole fraction is found to be linear for all but the three highest concentrations (>4 mole % liquid ~ 2.2 M ~ 25 torr) of the eighteen solutions.

2. EXPERIMENTAL METHODS

A detailed description of the EVC method for controlled generation of partial vapor pressures has been previously reported.² Specifics of the prepared solutions including the sample identifier numbers, solvent and solute net weights, and computed mole percentages are furnished in Table 1 along with dates of preparation. The total solution weights range from 141 to 163 g (approximate 30 g tare weight) and are within the 200 g capacity of the single pan analytical balance having a precision of 0.1 mg employed (Model AE200; Mettler Instruments Corporation, Highstown, NJ). Distilled and deionized water was used as solvent in the solution preparation. The anhydrous ammonia (Matheson Gas Products Incorporated, Montgomeryville, PA) was obtained from a pressure regulated lecture bottle. Ammonia is bubbled through a capillary pipette into the tared and weighed water solvent. Ammonia weight gain is monitored to a predetermined amount and weighed with the pipette removed. Mole fractions were calculated using molecular weights of 17.03 and 18.02 for the solute and solvent respectively.

In addition to the prepared aqueous solutions in Table 1, three commercial solutions were examined. Their sources and specified concentrations are listed in Table 2. The mole percent fractions (i.e., X% and Y%) in Table 2 and Table 3 are determined using Wilson coefficients for the two aqueous ammonia solutions computed with the program MOLARFRC.BAS listed in Appendix A using the molarity specified by

the suppliers.³ The third solution (5% V/V) was determined from the Beer's Law (absorbance versus concentration) plots of the other solutions as described below (see Appendix B).

Table 1. Solute/Solvent Weights for Solution Preparation

Sample #	Grms. H ₂ O	Grms. NH ₃	Calc. Mol%
Solutions Prepared 08/30/99			
1	146.4532	1.7943	1.276
2	149.9045	3.8308	2.633
3	145.5897	2.5699	1.835
4	143.2513	4.5672	3.264
5	144.2215	5.7693	4.061
6	154.9426	7.7163	5.005
7	152.5299	9.8821	6.416
Solutions Prepared 09/03/99			
2R	144.3187	3.6412	2.600
8	152.8872	0.6967	0.480
9	140.5686	1.0223	0.763
10	145.1703	1.4330	1.033
Solutions Prepared 10/28/99			
11	146.2723	0.3712	0.268
12	159.4796	1.0358	0.683
13	143.9609	1.2315	0.897
14	147.4688	1.6095	1.142
15	149.7243	0.1414	0.100

Table 2. Commercially Available Ammonia Solutions

Supplier	Reported Concentration	Computed X % Mole Fraction ^d	Y % Mole Fraction
Aldrich ^a	0.095 N	0.1716	4.55
Lab Chem ^b	0.5 N	0.9056	20.78
Lab Chem ^b	5% V/V(1+19) ^c	1.3787	28.63±0.65 ^e

^aAldrich Chemical Company, St Louis MO

^bLab Chem Inc., 200 William Pittway, Pittsburgh PA 15238

^cPersonal communication from Pat Maul 20 November 2002: W/V as NH₃ 1.26-1.35% and V/V as NH₄OH NIST traceable to Potassium Hydrogen Phthalate 4.8-5.2%.

^dAssuming a liquid temperature of 22 °C.

^eDetermined from IR absorbance measurements without interferogram zero filling

Table 3. IR Absorbance Filename Convention

	Averaged Absorbance	Average Deviation	Replicates N	Calculated Liquid Mole %
Prepared Solutions	A01NH3	D01NH3	8	1.267
	A2RNH3	D2RNH3	10	2.600
	A03NH3	D03NH3	10	1.835
	A04NH3	D04NH3	10	3.264
	A05NH3	D05NH3	10	4.061
	A06NH3	D06NH3	7	5.005
	A07NH3	D07NH3	10	6.416
	A08NH3	D08NH3	10	0.480
	A09NH3	D09NH3	10	0.763
	A10NH3	D10NH3	10	1.033
	A11NH3	D11NH3	10	0.268
	A12NH3	D12NH3	10	0.683
	A13NH3	D13NH3	10	0.897
	A14NH3	D14NH3	10	1.142
	A15NH3	D15NH3	9	0.100
Commercial Solutions	AALNH3	DALNH3	10	0.1716
	ALNNH3	DLNNH3	10	0.9056
	ALVNH3	DLVNH3	10	1.3787
Water Reference Solution	AH2O	DH2O	10	0.000

Acquisition of interferogram data with the FT-IR spectrometer (Model M2004, Serial Number 514; Midac Corporation, Irvine, CA) employed the MDGRAMS32 application software package (Galactic Industries Corporation, Salem, NH). The interferogram data was transformed with the MDGRAMS software into single-beam spectra at a nominal 0.5 cm^{-1} spectral point spacing. The single-beam spectra were subsequently used to compute the IR absorbance spectra tabulated in Appendixes C, D, and E for prepared ammonia, purchased ammonia, and pure water solutions, respectively. Replicate spectral measurements noted in Table 3 permitted computation of multiple IR absorbance values at each solution concentration. These absorbance values were used to evaluate an average absorbance and its standard deviation. The filenames and associated calculated ammonia liquid mole percentage are listed in Table 3.

The IR cell pathlength was determined using a horizontal cathetometer in a caliper configuration to measure the outside dimensions of the assembled cell. The lengths obtained from six consecutive determinations (see Table 4) gave a mean of 10.21 cm with an average deviation of 0.04 cm. Because the cell used 6.0 mm thick windows, the computed internal cell pathlength is taken to be 9.01 cm.

Table 4. IR Cell Outside Pathlength Dimensions

Tips Touching Each Other	Tips Touching ZnSe Windows ^b	Difference
17.23	27.46	10.23
16.80	27.08	10.28
16.84	27.02	10.18
16.80	26.98	10.18
16.85	27.00	10.15
16.80	27.02	10.22

3. IR ABSORBANCE

Calculation of the IR absorbance spectra requires taking the ratio of single-beam sample to blank spectrum for ammonia concentration to determine the transmittance spectrum. The transmittance spectrum is converted to IR absorbance spectrum by taking the base ten logarithm of the reciprocal of the transmittance. Ten IR absorbance spectra are available for each ammonia concentration (see Table 3). However, in three cases, the vapor cell had not equilibrated so fewer than ten replicates (i.e., N) are available. The absorbance spectra for each target analyte concentration are summed and subsequently divided by the number (i.e., N) of spectra to produce an average spectrum (i.e., AVE). Using the average absorbance, the average deviation is computed for each ammonia concentration shown in Table 3. The average deviation (AD) for the spectral region from 750 cm^{-1} to 1200 cm^{-1} is computed at each 0.5 cm^{-1} wavenumber spacing with equation 1.

$$AD = \sum |AVE-ABS(i)|/N \quad (1)$$

The AVE represents the average absorbance spectral value at a specific wavenumber; ABS(i) denotes one of N absorbance spectrum samples at a particular wavenumber; and N indicates the number of absorbance spectra used in determining the average (usually ten). Figure 1 shows a plot of average absorbance spectra for the prepared and commercial solutions over the spectral range from 920 cm^{-1} to 980 cm^{-1} . Figure 1a illustrates the prepared solutions ordered as listed in Table 5 from the smallest concentration of X% of 0.00 and Y% of 0.00 to the largest concentration of X% of 6.42 and Y% of 71.1. Figure 1b displays the three commercial solutions with concentrations listed as entries 3, 9, and 20 in Table 5. The LV (5% V/V) has the largest concentration and absorbance that is shown in Figure 1b. The concentrations for the LV solution listed in Table 5 are determined from IR absorbance measurements.

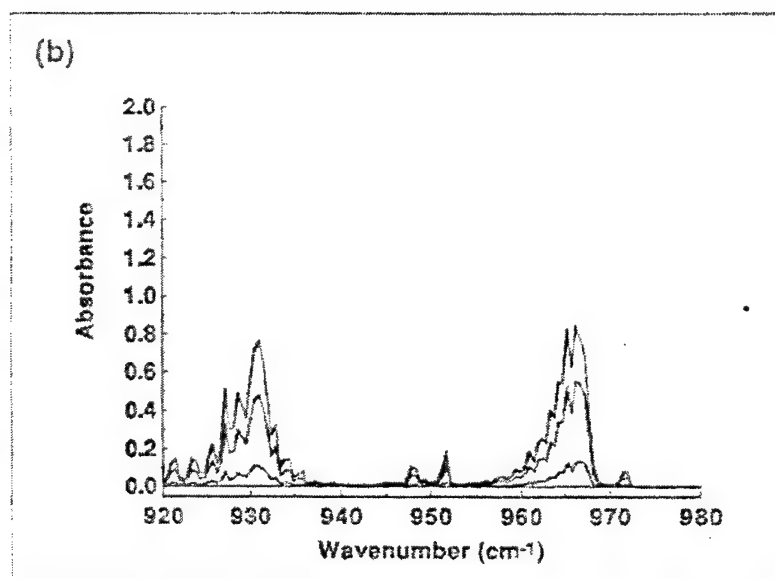
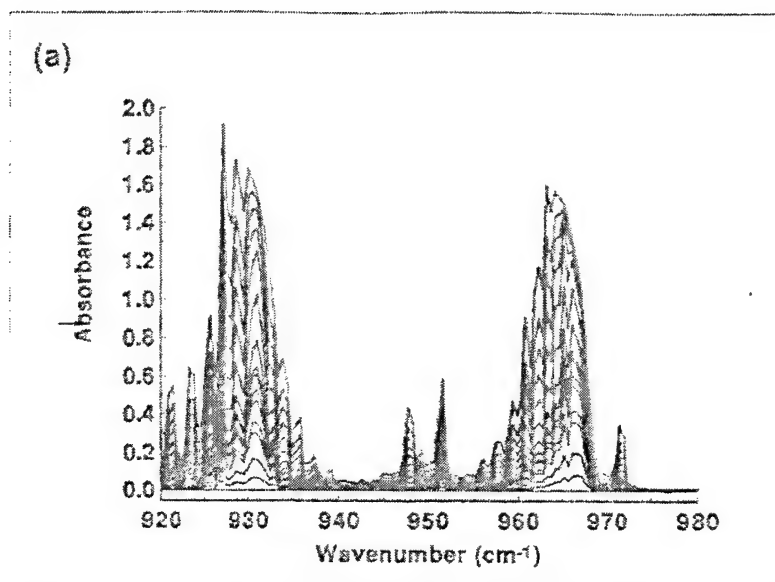


Figure 1. Average absorbance spectra for (a) prepared and (b) commercial solutions

Table 5. Ordered Aqueous Ammonia Solution Concentrations

Order	Solution #	X % (Liquid)	Temperature (°C)	Y % (Vapor)
1.	H2O	0.000	20.5	0.0
2.	15	0.100	20.6	2.7
3.	AL	0.1716(0.095 ^a)	21.4	4.55
4.	11	0.268	20.5	7.0
5.	8	0.480	21.4	11.9
6.	12	0.683	20.4	16.4
7.	9	0.763	21.3	17.9
8.	13	0.897	20.5	20.6
9.	LN	0.9053(0.5 ^a)	20.5	20.7
10.	10	1.033	21.3	23.0
11.	14	1.142	20.5	25.1
12.	1	1.276	21.6	27.2
13.	3	1.840	22.0	35.7
14.	3R	1.835	20.5	35.8
15.	2R	2.600	21.4	45.0
16.	4	3.264	21.9	51.4
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17.	5	4.061	21.8	57.9
18.	6	5.005	21.4	64.1
19.	7	6.416	21.3	71.1
<hr/>				
20.	LV (5% V/V)	1.3787 ^b	20.5	28.63

^a Normality

^b Determined from IR absorbance measurements without interferogram zero filling.

Peak absorbance values for select IR bands of ammonia are listed in Table 6. These values are obtained after eight times zero filling the original interferograms before Fourier transforming into single-beam spectra and subsequent computation of absorbance.⁴ Band locations of five major peaks are presented in Table 6. The average absorbance values of these five major peaks are given along with the associated uncertainty (i.e., average deviation). The program NH3ABC.BAS is used to compute the least squares plots of absorbance versus either ammonia Y% mole fraction or vapor pressure. This program is listed in Appendix A. The computational results of this program are furnished in Appendix B for the derived absorbance spectra without zero filling of the interferograms.

Table 6. Absorbances of Five Ammonia Prominent Peaks

Band Location	908.04 cm ⁻¹	930.70 cm ⁻¹	966.74 cm ⁻¹	992.41 cm ⁻¹	1026.8 cm ⁻¹
FileNames	AVE ±AD	AVE ±AD	AVE ±AD	AVE ±AD	AVE ±AD
A01NH3/ D01NH3	0.3841 ±0.0023	0.8374 ±0.0072	0.8608 ±0.0073	0.4403 ±0.0022	0.2706 ±0.0015
A2RNH3/ D2RNH3	0.5451 ±0.0032	1.272 ±0.021	1.089 ±0.0078	0.6187 ±0.0040	0.4193 ±0.0024
A03NH3/ D03NH3	0.4676 ±0.0030	1.0514 ±0.0093	0.9991 ±0.0091	0.5351 ±0.0040	0.3454 ±0.0016
A3RNH3/ D3RNH3	0.4418 ±0.0021	0.9904 ±0.0087	0.9546 ±0.0089	0.5081 ±0.0036	0.3232 ±0.0015
A04NH3/ D04NH3	0.6123 ±0.0011	1.365 ±0.084	1.1154 ±0.0073	0.6790 ±0.0062	0.488 ±0.011
A05NH3/ D05NH3	0.6746 ±0.0041	1.463 ±0.029	1.1459 ±0.0066	0.7319 ±0.0029	0.5625 ±0.0030
A06NH3/ D06NH3	0.7434 ±0.0061	1.594 ±0.038	1.1737 ±0.0090	0.7958 ±0.0044	0.6368 ±0.0033
A07NH3/ D07NH3	0.8016 ±0.0029	1.596 ±0.028	1.203 ±0.013	0.8400 ±0.0039	0.7310 ±0.0036
A08NH3/ D08NH3	0.1715 ±0.0011	0.3377 ±0.0017	0.3940 ±0.0027	0.1889 ±0.0011	0.1126 ±0.0018
A09NH3/ D09NH3	0.2546 ±0.0010	0.5260 ±0.0033	0.5873 ±0.0036	0.2884 ±0.0011	0.1708 ±0.0010
A10NH3/ D10NH3	0.3134 ±0.0020	0.6686 ±0.0056	0.7216 ±0.0039	0.3544 ±0.0015	0.2186 ±0.0013
A11NH3/ D11NH3	0.0986 ±0.0005	0.1878 ±0.0009	0.2214 ±0.0013	0.1073 ±0.0010	0.0633 ±0.0006
A12NH3/ D12NH3	0.2010 ±0.0010	0.3946 ±0.0026	0.4625 ±0.0032	0.2219 ±0.0013	0.1337 ±0.0016
A13NH3/ D13NH3	0.2813 ±0.0013	0.5745 ±0.0036	0.6476 ±0.0025	0.3152 ±0.0012	0.1923 ±0.0013
A14NH3/ D14NH3	0.3328 ±0.0014	0.7052 ±0.0040	0.7521 ±0.0039	0.3765 ±0.0016	0.2302 ±0.0013
A15NH3/ D15NH3	0.0421 ±0.0010	0.0771 ±0.0003	0.0911 ±0.0013	0.0452 ±0.0006	0.0262 ±0.0010
AALNH3/ DALNH3	0.0647 ±0.0012	0.1233 ±0.0010	0.1486 ±0.0011	0.0706 ±0.0010	0.0413 ±0.0012
ALNNH3/ DLNNH3	0.2583 ±0.0019	0.5262 ±0.0025	0.5933 ±0.0039	0.2906 ±0.0015	0.1735 ±0.0010
ALVNH3/ DLVNH3	0.3761 ±0.0021	0.8148 ±0.0042	0.8420 ±0.0024	0.4307 ±0.0013	0.2676 ±0.0017
AH20/ DH20	0.0010 ±0.0006	0.0013 ±0.0006	0.0006 ±0.0005	0.0016 ±0.0006	-0.0004 ±0.0010

The results of both with and without zero filled interferograms are summarized in Table 7. Tables 7a and 7b are linear least squares results from absorbance versus Y% mole fraction of the ammonia vapor. Table 7a presents the least squares results when no zero filling is used. The lowest 16 concentrations that are listed in Table 5 are used in generating the Table 7a results. Table 7b tabulates the least squares results when using eight times zero filling. The linear region varied from the first 12 to 16 concentrations as denoted under the column labeled "Pts." in Table 7b. Each of the absorbance versus Y% mole ammonia vapor fraction least squares analyses allows a prediction of the 5% V/V solution as given in entry 20 of Table 5. The predicted Y% from Table 7a is 28.63 ± 0.65 , whereas from Table 7b is 28.32 ± 0.50 . These Y% values lie within each other's uncertainty range.

Tables 7c and 7d are linear least squares results from absorbance versus ammonia vapor pressure. Table 7c presents the least squares results without zero filling. Table 7d tabulates the least squares results when using eight times zero filling. The linear region for the absorbance versus ammonia vapor pressure is over the first 12 concentrations in Table 5. The predicted ammonia vapor pressure for the 5% V/V solution from Table 7c is 6.90 ± 0.08 Torr, whereas for Table 7d the predicted 5% V/V solution ammonia vapor pressure is 6.82 ± 0.10 .

Similar to the mole fractions in Tables 7a and 7b, the predicted ammonia vapor pressures derived from Tables 7c and 7d are nearly identical. The liquid mole fractions (X%) and molarities (M) associated with the vapor concentrations (either Y% or P) also display small differences because of the variation in temperature of the EVC between solutions. As shown in Table 5, most solutions clustered either around 20.5 or 21.5 °C. These differences in X% and M, due to the temperature variation for either Y% or P, are slightly less than 3%. More significant differences in liquid concentrations that are predicted by Y% compared to that of P are slightly greater than 6%. Table 8 provides a tabulated comparison of both the temperature and concentration prediction (see Table 7) difference.

The least squares results for the Table 6 absorbance values derived from zero filled interferogram data are shown in Figure 2. The solid lines are the least squares lines (see slope and intercept values of Tables 7b and 7d). The symbols representing each peak absorbance are as follows: down solid triangle, 908.04 cm^{-1} ; down open triangle, 930.70 cm^{-1} ; up open triangle, 966.74 cm^{-1} ; solid diamond, 992.41 cm^{-1} ; and open diamond, 1026.80 cm^{-1} . Figure 2a is a plot of absorbance versus ammonia vapor mole fraction (i.e., A versus Y), whereas Figure 2b is a plot of absorbance versus ammonia vapor pressure (i.e., A versus P). The A versus Y plot exhibits linearity for the 1026.80 cm^{-1} peak absorbance up to about 0.5 mole fraction that encompasses all but three of the solutions listed in Table 5. On the other hand, the A versus P plot exhibits linearity for the 1026.80 cm^{-1} peak absorbance up to only about 7 Torr that includes only the first 12 concentrations of Table 5 as shown in Figure 2c. Clearly, use of A versus Y furnishes a more robust linear fit of the absorbance data. The output results of the NH3ABC.BAS program for the absorbance data in Appendixes C, D, and E without zero filling of interferograms are both tabulated and plotted in Appendix B.

Table 7a. Absorbance versus Y% (NH₃) Least Squares Fit (16 pts.)

ν (cm ⁻¹)	Slope	Intercept	Y%
907.85	0.988±0.022	-0.007±0.006	27.86
930.51	2.637±0.006	-0.022±0.014	28.11
966.67	2.411±0.113	0.056±0.029	30.17
992.22	1.190±0.024	-0.008±0.006	28.30
1026.90	0.942±0.017	-0.003±0.004	28.72

Table 7b. Absorbance versus Y% (NH₃) Least Squares Fit (Zero Filled)

ν (cm ⁻¹)	Pts.	Slope	Intercept	Y%
908.04	12	1.338±0.040	0.00028±0.00070	28.00
930.70	15	2.874±0.007	-0.0011±0.0016	28.74
966.74	12	3.049±0.087	0.0067±0.0151	27.39
992.41	14	1.476±0.041	-0.0053±0.0086	28.82
1026.80	16	0.946±0.017	-0.0036±0.0044	28.65

Table 7c. Absorbance versus P (NH₃) Least Squares Fit (12 pts.)

ν (cm ⁻¹)	Slope × 10 ²	Intercept	P (Torr)
907.85	3.747±0.100	0.0101±0.0004	6.90
930.51	10.07±0.25	-0.0197±0.0101	6.95
966.67	11.13±0.34	0.0372±0.0141	6.70
992.22	4.54±0.11	0.0106±0.0045	7.00
1026.90	3.731±0.094	0.0081±0.0038	6.95

Table 7d. Absorbance versus P (NH₃) Least Squares Fit (Zero Filled, 12 pts.)

ν (cm ⁻¹)	Slope × 10 ²	Intercept	P (Torr)
908.04	5.289±0.158	0.0188±0.0065	6.75
930.70	11.487±0.269	0.0192±0.0110	6.92
966.74	13.032±0.411	0.0440±0.0169	6.63
992.41	6.050±0.162	0.0175±0.0066	6.83
1026.80	3.733±0.091	0.0080±0.0037	6.95

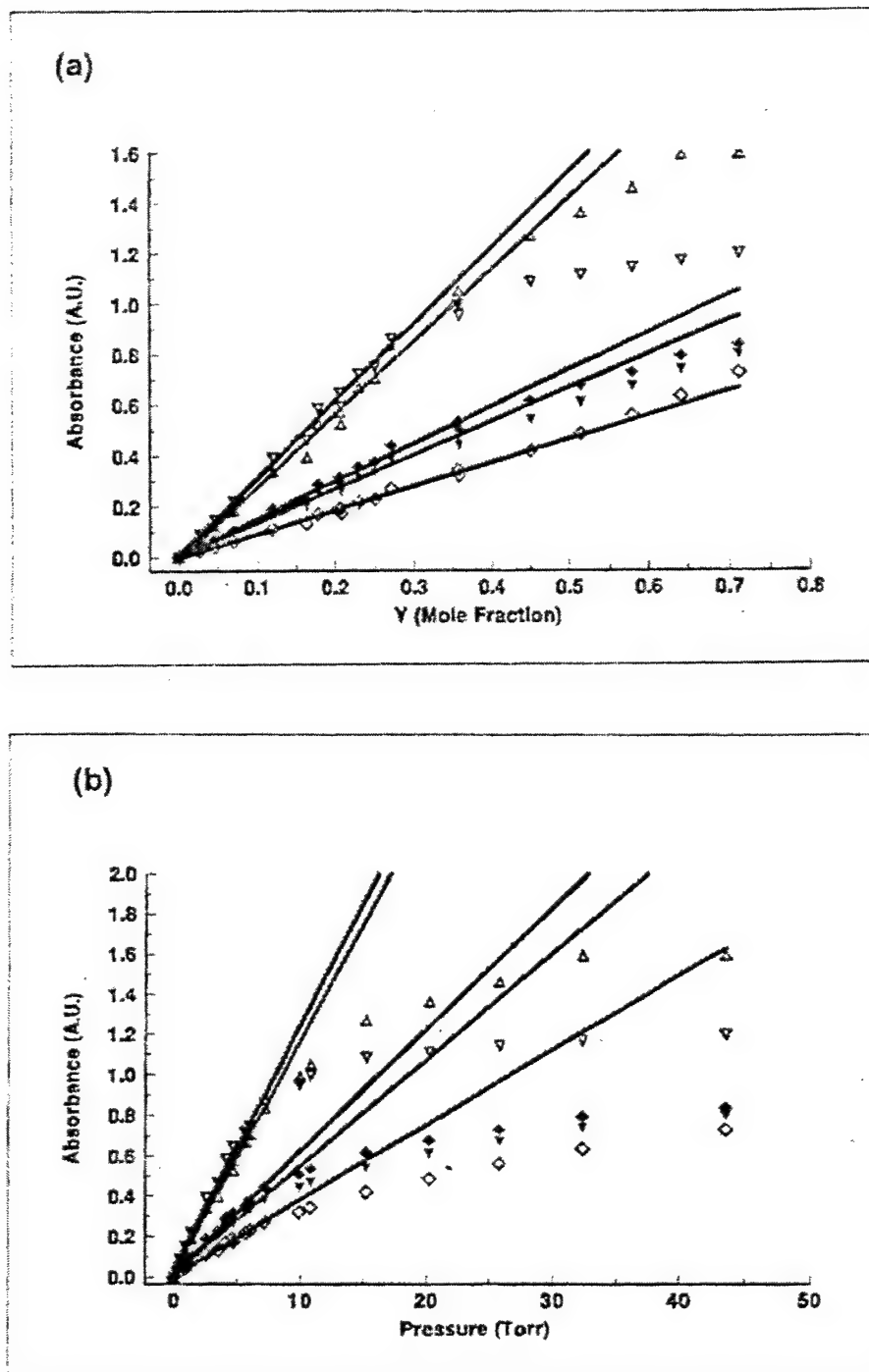


Figure 2. Least Squares Plots for (a) A versus Y, (b) A versus P, and (c) Expanded Linear Region of A versus P

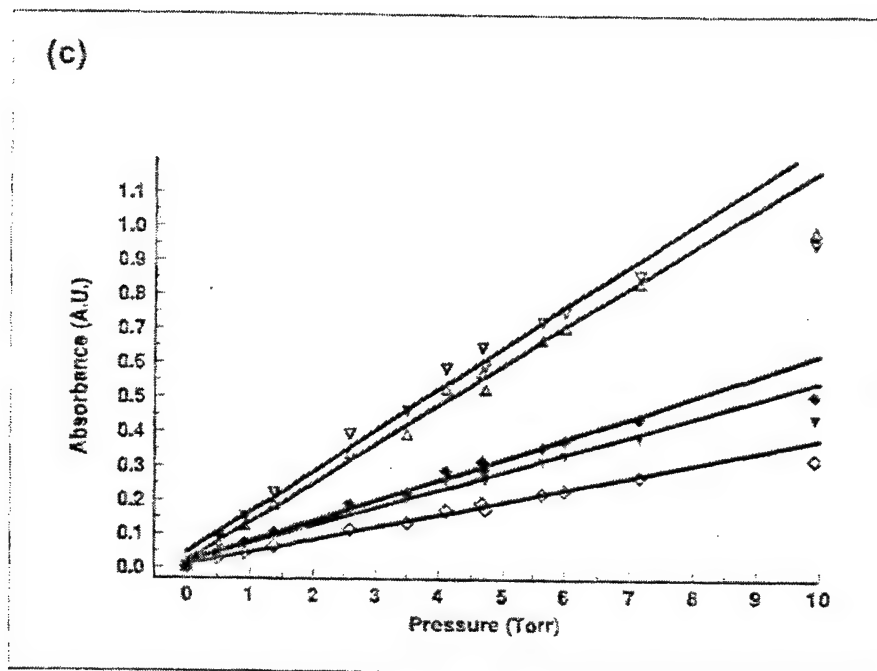


Figure 2. Least Squares Plots for (a) A versus Y, (b) A versus P, and (c) Expanded Linear Region of A versus P (Continued)

Zero filling of the interferogram does not furnish any additional spectral resolution in the absorbance spectrum, however it does provide the best statistical means of interpolating between sampled points across the entire spectrum.⁵ This interpolation by means of zero filling offers a means of more accurately establishing the true peak absorbance if the spectral bands are under sampled. Figure 3 shows the five absorbance curves for ammonia vapor generated with entry 6 of Table 6 (i.e., X% = 0.683 and Y% = 16.4). The absorbance curves associated with and without zero filling of the five peak absorbance values in Table 6 are plotted in Figure 3. Open circles are zero filled interpolated values and solid circles are the values without zero filling. Figures 3a, 3b, 3c, 3d, and 3e are the curves for absorbance peak values of 908.04 cm^{-1} , 930.70 cm^{-1} , 966.74 cm^{-1} , 992.41 cm^{-1} , and 1026.80 cm^{-1} , respectively. In all but one case without zero filling, the peak value does not coincide with the peak interpolated value. The peak value with and without zero filling coincides for the 1026.8 cm^{-1} spectral wavenumber shown in Figure 3e. This sampling of the peak value undoubtedly results in the 1026.8 cm^{-1} exhibiting the best linearity of the five bands in for the A versus Y plots of Figure 2 and Appendix B.

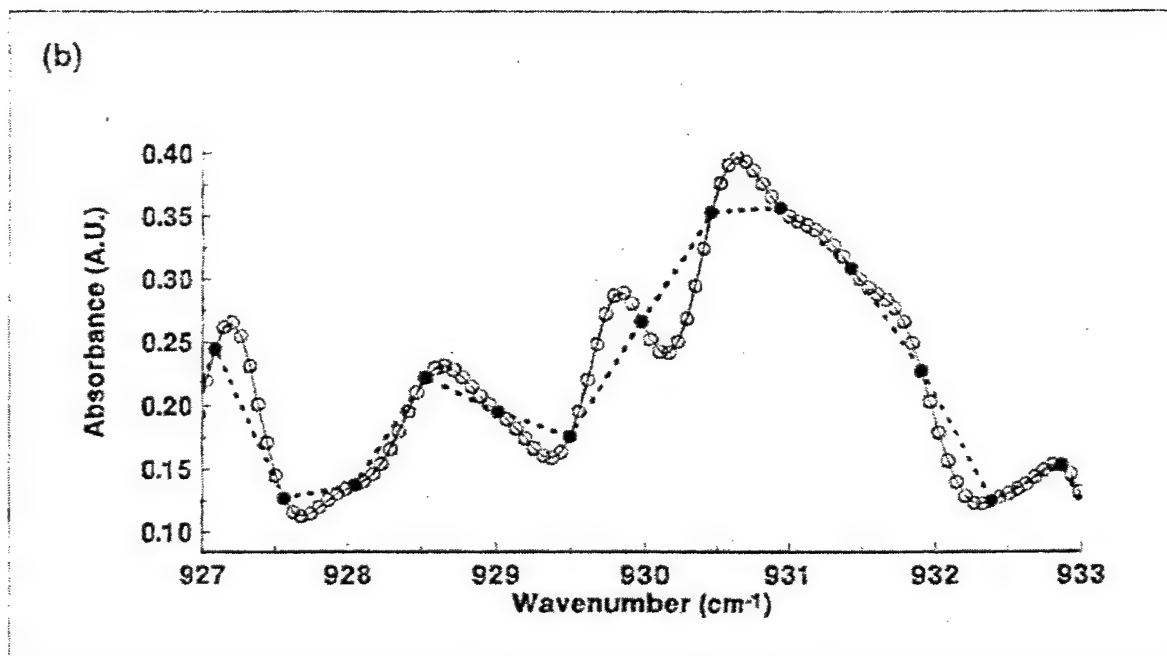
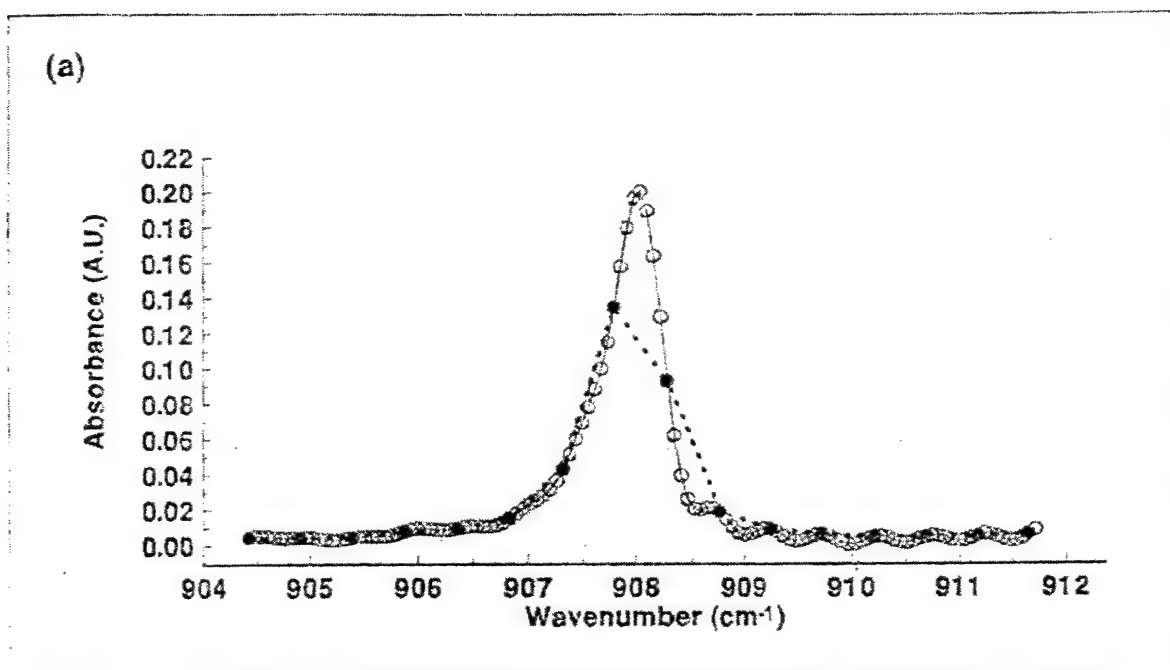


Figure 3. Effect of eight times zero filling on absorbance bands at (a) 908.04 cm^{-1} , (b) 930.70 cm^{-1} , (c) 966.74 cm^{-1} , (d) 992.41 cm^{-1} , and (e) 1026.80 cm^{-1}

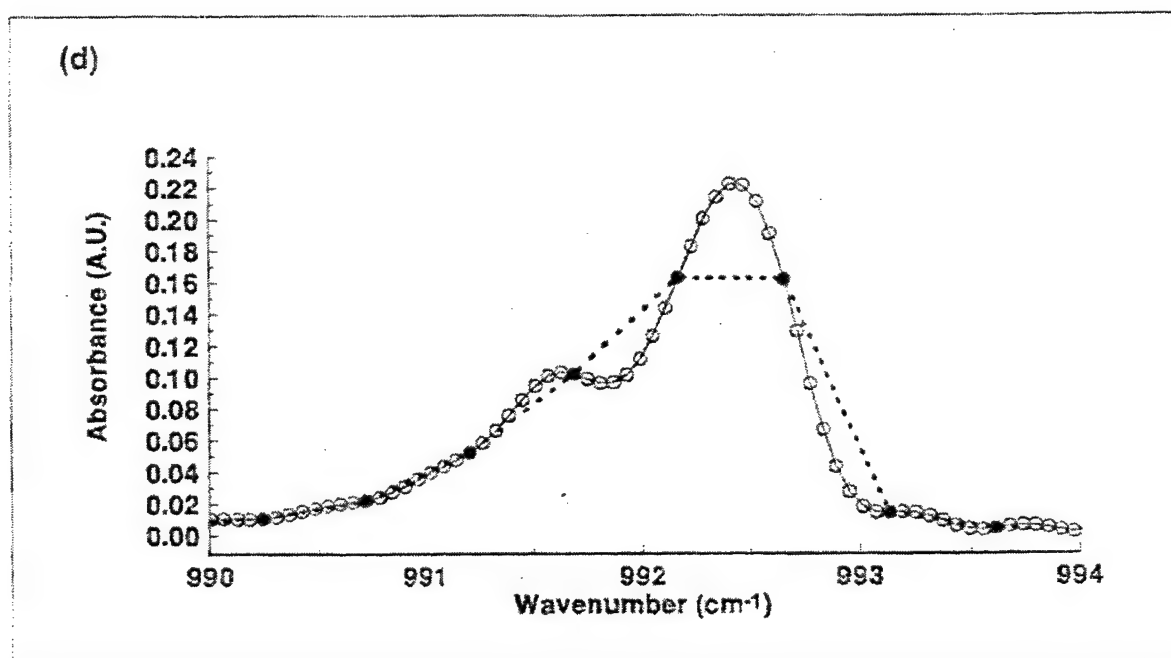
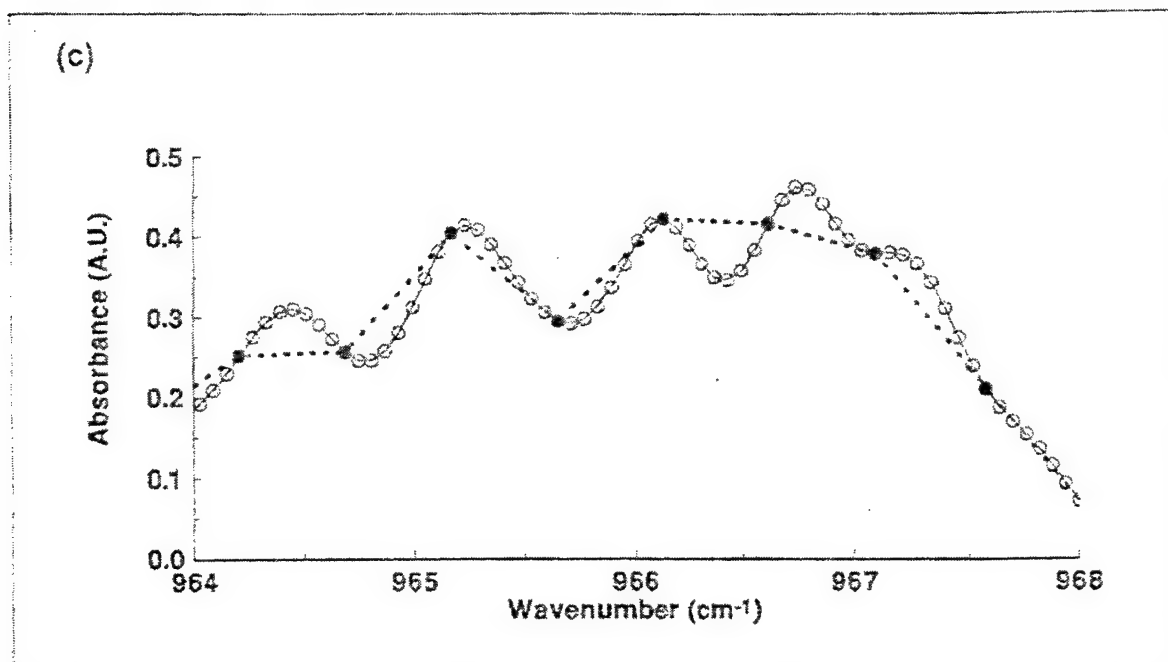


Figure 3. Effect of eight times zero filling on absorbance bands at (a) 908.04 cm⁻¹, (b) 930.70 cm⁻¹, (c) 966.74 cm⁻¹, (d) 992.41 cm⁻¹, and (e) 1026.80 cm⁻¹ (Continued)

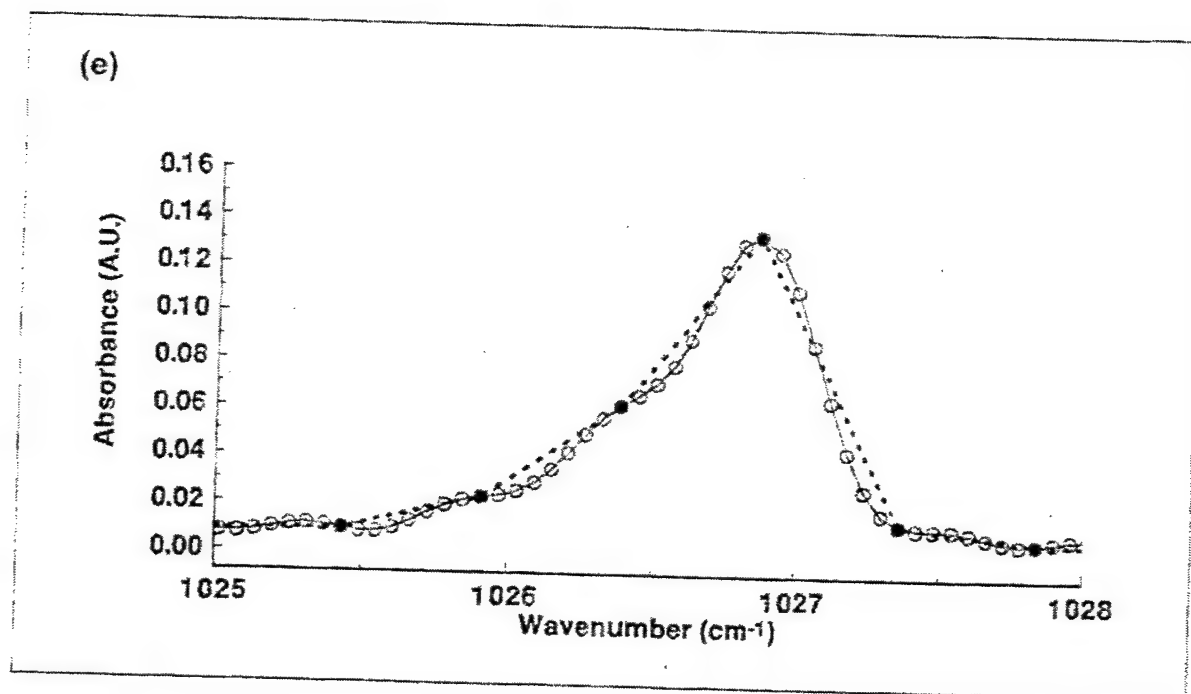


Figure 3. Effect of eight times zero filling on absorbance bands at (a) 908.04 cm⁻¹, (b) 930.70 cm⁻¹, (c) 966.74 cm⁻¹, (d) 992.41 cm⁻¹, and (e) 1026.80 cm⁻¹ (Continued)

Table 8. Temperature and Liquid Concentration Variation between Wavenumber Averaged Least Squares Vapor Concentrations

		<i>t</i> ,C	20.5	21.5	20.5	21.5
Table			M		X%	
Y%	7a	28.63	0.746	0.749	1.353	1.359
	Mean	28.47	0.741	0.744	1.344	1.349
	7b	28.32	0.736	0.738	1.334	1.339
P, Torr	7c	6.82	0.711	0.674	1.289	1.222
	mean	6.86	0.715	0.677	1.296	1.227
	7d	6.90	0.719	0.681	1.304	1.235

4. DISCUSSION

The ammonia vapor pressures that are generated by the aqueous ammonia solutions are temperature dependent. Table 5 lists the solution temperatures in the fourth column. For the vapor pressure data of Scheffer and DeWijs at 25 °C, the ammonia partial pressure in units of Torr as a function of molality *m* (i.e., as opposed to molarity *M*) is found to provide an excellent empirical fit.^{3,6} The coefficients of the equation 2 empirical fit are A, -2.04×10^{-3} ; B, 12.75591; and C, 0.3937456.

$$P_{\text{vap}} = A + B \times m + C \times m^2 \quad (2)$$

A more generalized temperature dependent fit employing Wilson coefficients of all available aqueous ammonia vapor liquid equilibria data permits broader application.³ Table 9 lists the potential effect of temperature on the 5% V/V solution. Table 9 is generated with the MOLARFRC.BAS program listed in Appendix A. The molarity values in Table 9 include the range of values provided by the supplier (see Table 2 footnote e). The ammonia vapor pressure values at 20.5 °C (see Table 5 entry 20) differ from the IR measurement values by only about 5 to 7% (i.e., 0.37 to 0.50 Torr).

Table 9. L-V-E for 5% Aqueous Ammonia

Temperature (°C)	Molarity	gm/liter	Wt%	X%	Y%	P (Torr)
20.0	0.7500	992.7972	1.2951	1.3690	28.9321	7.0608
	0.7600	992.7618	1.3037	1.3781	29.0786	7.1105
20.5	0.7550	992.6839	1.2952	1.3691	28.8914	7.2680
	0.7600	992.6484	1.3039	1.3039	29.0377	7.3192
21.0	0.7550	992.5681	1.2954	1.3693	28.8496	7.4799
	0.7600	992.5326	1.3040	1.3784	28.9957	7.5325
21.5	0.7550	992.4497	1.2955	1.3695	28.8065	7.6966
	0.7600	992.4143	1.3042	1.3786	28.9524	7.7507
	0.7650	992.3786	1.3128	1.3877	29.0978	7.8049
22.0	0.7550	992.3289	1.2957	1.3696	28.7622	7.9181
	0.7600	992.2932	1.3043	1.3787	28.9078	7.9737
	0.7650	992.2576	1.3130	1.3878	29.0530	8.0294
22.5	0.7550	992.2057	1.2959	1.3698	28.7163	8.1445
	0.7600	992.1701	1.3045	1.3789	28.8617	8.2017
	0.7650	992.1343	1.3131	1.3880	29.0067	8.2589
23.0	0.7550	992.0801	1.2960	1.3700	28.6695	8.3759
	0.7600	992.0444	1.3047	1.3791	28.8147	8.4347
	0.7650	992.0086	1.3133	1.3882	28.9595	8.4935
	0.7700	991.9729	1.3219	1.3973	29.1038	8.5524

This study relies on gravimetric preparation of the solutions for determining the amount of ammonia in aqueous solution. As an additional verification of this approach, two prepared solution ammonia concentrations were compared by titration using the following procedures with the stated results.

A 1.0 N standard solution of sodium hydroxide (NaOH) was prepared and standardized against weighted quantities of potassium acid phthalate (KHP mol. wt. 204.228). Three samples (8.225 g, 8.1381 g, 7.4466 g) titrated respectively with the NaOH solution aliquots of 42.83 mL, 41.81 mL, 38.86 mL using a phenolphthalein indicator to yield normalities of 0.9404, 0.9530 and 0.9383 for an average of 0.9439 ± 0.0061 for the NaOH standard solution. A 1.0 N hydrochloric acid (HCl) solution was prepared and standardized against the NaOH standard. Samples of the HCl (40.18 mL, 39.94 mL, 40.22 mL) were titrated respectively with NaOH aliquots of 37.39 mL, 36.91 mL, 37.44 mL using a phenolphthalein indicator to yield normalities of 0.8784, 0.8723, and 0.8787 for an average of 0.8772 ± 0.0033 N.

Two gravimetrically prepared solutions were titrated against the HCl standardized solution using methyl red indicator. The first prepared solution originally prepared on 12/11/00 consisted of 146.1487 g of water and 0.7646 g of ammonia [bracketed by entries 5 (#8) and 6 (#12) of Table 5]. Titration of this 0.550 mole % solution yielded values of 0.3012M and 0.2992M. A second solution prepared on 3/28/03 was composed of 141.8345 g of water and 0.7305 g of ammonia. Titration of this 0.542 mole % solution resulted in values of 0.2935M and 0.2934M. These two solutions differed by less than 3% in molarity and mole percent. Storage of the 147 g solution in a 250 mL capped polypropylene (Nalgene) bottle for a period of more than two years did not significantly effect the ammonia solution concentration. The MOLARFRC.BAS program listed in Appendix A using the titration molarities and input temperature of 25 °C gave 0.544 mole % for the 12/11/00 solution and 0.532 mole % for the 3/28/03 solution. The difference in these mole percent values from the gravimetric values of about 1 and 2%, respectively, was considered to be insignificant. Titrimetric analysis for determination of ammonia concentration of the gravimetrically prepared ammonia solutions was not deemed necessary.

5. SUMMARY

Infrared (IR) absorbance data for aqueous ammonia solutions are acquired using the equilibrium vapor cell method. This data is presented in the form of average and average deviation files that are compiled in a set of appendixes. The experimental conditions of solute and solvent weights for gravimetrically generated ammonia vapor concentrations are reported, as well as the equilibrium vapor cell pathlength. Prepared and commercially procured aqueous solutions were used in this study.

The IR evaluations using absorbance versus ammonia mole fraction (i.e., A versus Y) or vapor pressure (i.e., A versus P) showed excellent agreement with the specifications for both the prepared and commercial solutions. The plotting of A versus Y provided a more robust description for the absorbance data than the more traditional A versus P type of approach. The use of zero filling of interferograms proved to be an effective means of acquiring the maximum absorbance values for the five narrow ammonia spectral bands that were examined in this study.

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LITERATURE CITED

1. Field, Paul E; Combs, Roger J. *IR Absorbance Measurement of Variable Composition Aqueous VOCs*; ECBC-TR-140, U.S. Army Edgewood Chemical Biological Center: Aberdeen Proving Ground, MD, 2001, UNCLASSIFIED Report (AD-A387 313).
2. Field, Paul E; Combs, Roger J.; Knapp, Robert B. *Equilibrium Vapor Cell for Quantitative Infrared Absorbance Measurements*; Applied Spectroscopy; 50; 10; **1996**; pp 1307-1313.
3. Field, Paul E; Combs, Roger J. *Aqueous Ammonia Vapor-Liquid Equilibria: Entropy and Temperature Dependence of Wilson Coefficients*; Journal of Solution Chemistry; 31; 9; **2002**; pp 719-742.
4. Heise, H.M.; Kirchner, H.H.; Richter, W. *Calibration Method for Infrared-Spectrometric Gas Analysis*; Fresenius' Zeitschrift fur Analytische Chemie; 322; 4; **1985**; pp 397-400.
5. Griffiths, P.R.; deHaseth, J.A. **FOURIER TRANSFORM INFRARED SPECTROMETRY**; John Wiley & Sons: New York, NY, 1986, pp 98-101.
6. Combs, R.J.; Knapp, R.B.; Field, P.E. *Ammonia Infrared Spectral Data Using an Equilibrium Vapor Cell*; 48th Pittsburgh Conference: Atlanta, GA, 1997.

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APPENDIX A
PROGRAM LISTINGS

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99 'Citations for all empirical relations can be found in P. E. Field and R. J. Combs,
'Aqueous Ammonia Vapor-Liquid Equilibria: Entropy and Temperature
Dependence of Wilson Coefficients," J. Solution Chem., 31(9), 719-742, 2002
100 'MOLARFRC.BAS
101 'Converts Molarity of NH3(aq) to wt% and mol fraction
102 DIM AP(3,2): FOR K=1 TO 3: READ AP(K,1): NEXT K
103 DATA 7.74396,1113.928,262.751: 'Ohe NIST
110 KEY OFF: CLS
115 INPUT "T,C";TC: PRINT " Molarity gm/liter  Wt.%  X%  Y%  P,torr": I=0
116 'FOR TC=20 TO 23 STEP .5: PRINT "TC=";TC: PRINT " Molarity gm/liter  Wt.%
X%  Y%  P,torr"
120 FOR I=1 TO 4: INPUT M: X=M
130 'FOR M=.7 TO .8 STEP .005: X=M
140 P1=999.65+.20438*TC-.061744*SQR(TC^3)
150 P2=P1+X*(-6.88-.01989*TC+9.711E-05*TC^2+SQR(X^3)*(.1843-.004392*TC-1.12E-
06*TC^2))
160 X=100*X*17.03/P2
170 W=X
180 X=(X/17.03)/((100-X)/18.015+(X/17.03)): C=X: GOSUB 300
190 'IF I/20>1 THEN PRINT " Molarity gm/liter  Wt.%  X%": I=0
200 PRINT USING "#####.#####";M,P2,W,C*100,Y1*100,PA
210 'WHILE INKEY$="": WEND
220 NEXT I
230 'NEXT M: WHILE INKEY$="": WEND: NEXT TC
290 END
300 T=TC: TK=T+273.2
310 V2=18.02/(.001*(999.83952#+16.945176#*T-.0079870401#*T^2-
.000046170461#*T^3+.00000010556302#*T^4-2.8054253D-10*T^5)/(1+.01689785#*T)):
'H2O Kell
320 V1=17.03*(4.283+.813055*SQR(133-T)-.0082861*(133-T))/(1+.424805*SQR(133-
T)+.015938*(133-T)): 'NH3 -70<=T,C<=130
330 DEC=(V2/V1)^2*EXP(-9.472201+.061719*TK-7.8545E-05*TK^2)
340 SEC=EXP(11.825-.049979*TK+5.972E-05*TK^2)
350 G1=SQR(SEC*DEC): G2=SQR(SEC/DEC)
360 'X=C/100
370 Z=1-X: GOSUB 400: Y1=PA/PC
380 'PRINT "vp(NH3)=";PA,"Y(NH3)=";Y1
390 RETURN
400 'M=0: 'SP=-1: '-.1
410 GA=EXP(-LOG(X+G1*Z)+Z*(G1/(X+G1*Z)-(G2/(G2*X+Z))))
420 GB=EXP(-LOG(Z+G2*X)-X*(G1/(X+G1*Z)-(G2/(G2*X+Z))))
430 P3=EXP(LOG(10)*(AP(1,1)-AP(2,1)/(T+AP(3,1))))
440 P4=(760/1.01325)*EXP(6.3571118#-8858.842/TK+607.56335#*TK^-.6)
450 PA=GA*P3*X: PB=GB*P4*Z: PC=PA+PB
460 RETURN

```

10 'PROGRAM CONTENTS OF NH3ABC.BAS
 11 'Experimental Spectra Data for 19 aq.NH3 solutions & H2O for 10 scans at 5 peaks @ 1200-1299
 12 'Averaged Data from Table-Option used for Plot-Option @ 1000-1096
 13 'Initialization and Option Selection @ 100-150
 14 'Plot-Option: 1.Least Squares calc. and tabulated results @ 160-330
 15 'Plot-Option: 2.Graphs of C(i)[Pa or Ya] vs Abs. for 20 solutions from least squares fit for each peak @ 340-400
 16 'Empirical density eqns. to convert M to X in subroutines @ 410-540
 17 'Empirical pure component molar volume, vapor pressure and f(T) Wilson coeff. subroutine to calculate partial pressure or vapor mol fraction @700-860
 18 'Table-Option: Routine to print table of spectra absorbances at 5 peaks and their averages for 10 co-added scans for each solution @ 1100-1190
 19 ' Following Utilities may be executed with GOTO # after Initialization:
 20 'GOTO 900 (@ 900-990): Plot of Ya vs. Pa for 20 solutions
 21 'GOTO 1300 (@1300-1340): Calculate Pa & Ya for X% range of 5%v/v soln(#LV)
 22 'GOTO 1400 (@1400-1450): Tabulated pure comp. mol.vol. and vap.p as f(T).
 23 'Citations for all empirical relations can be found in P. E. Field and R. J. Combs, "Aqueous Ammonia Vapor-Liquid Equilibria: Entropy and Temperature Dependence of Wilson Coefficients," J. Solution Chem., 31(9), 719-742, 2002
 100 'NH3ABC.BAS
 101 'Copyright Phi-I/O-Asso 11/18/99 by P. E. Field
 102 SCREEN 9: KEY OFF: CLS: AS=1: '35/48
 103 FOR I=0 TO 15: READ K: PALETTE I,K: NEXT I
 104 DATA 0,20,4,52,38,54,62,22,2,3,57,9,13,5,7,63
 105 N=20: DIM X(N),Y(N),YC(N),T(N),R(N),C(N),AB(5,N),AP(3,2),F\$(N)
 106 FOR K=1 TO 3: READ AP(K,1): NEXT K
 107 DATA 7.74396,1113.928,262.751: 'Ohe NIST
 108 INPUT "BACKGROUND: BLACK or WHITE (B/W)",B\$: IF B\$="B" OR B\$="b" GOTO 110
 109 PALETTE 0,63: PALETTE 14,7: PALETTE 15,0
 110 INPUT "Abs.Spectra Table or Abs.vs. Conc.Plot (T/P)",Q\$
 112 IF Q\$="T" OR Q\$="t" THEN GOTO 1100
 114 'INPUT "Backcalc. 5%v/v (Y/N):",A\$: IF A\$="Y" THEN GOTO 1300
 116 CLS: RESTORE 1000
 120 FOR J=1 TO 5: READ W(J): NEXT J
 125 FOR I=1 TO N: READ F\$(I),C(I),T(I): IF RIGHT\$(F\$(I),1)="L" THEN GOSUB 410
 130 FOR J=1 TO 5: READ AB(J,I): NEXT J: NEXT I
 140 INPUT "Conc.[C(I)]:P or Y";Q\$: IF Q\$="p" THEN Q\$="P"
 150 FOR K=1 TO 5: FOR J=1 TO N: GOSUB 700: Y(J)=AB(K,J): NEXT J
 160 XY=0: X2=0: Y2=0: XS=0: YS=0: NM=0: NB=0: D=0: SL=0: IN=0: SR=0
 165 PRINT "N(max)=";N;: INPUT "Select N<=N(max)",NO
 170 FOR I=1 TO NO
 180 XS=XS+X(I): YS=YS+Y(I): Y2=Y2+Y(I)*Y(I)
 190 XY=XY+X(I)*Y(I): X2=X2+X(I)*X(I): NEXT I
 200 NM=(NO*XY)-(XS*YS): NB=(X2*YS)-(XY*XS): D=(NO*X2)-(XS*XS)
 210 SL=NM/D: IN=NB/D
 215 SRS=0: FOR I=1 TO NO: R(I)=SL*X(I)+IN-Y(I): SRS=SRS+R(I)^2: NEXT I
 220 TS=Y2-(YS*YS/NO): RS=SL*NM/NO: SS=TS-RS
 230 SQ=SS/(NO-2): SY=SQR(SQ)
 240 EM=SY*SQR(NO/D): EB=SY*SQR(X2/D): EY=SY/SQR(NO)

```

245 PRINT "Wavenumber=";W(K),"ss=";SS,"srs=";SRS
250 PRINT "SLOPE=";SL;"#";EM;
260 PRINT "INTERCEPT=";IN;"#";EB;
270 PRINT "Y ERROR=";"#";EY
290 FOR I=1 TO N: YC(I)=IN+SL*X(I): SR=SR+(Y(I)-YC(I))^2: NEXT I
300 PRINT "Least Squares Sum=";SR
310 PRINT "  C(i)  AB(i) ABcalc(i) Residual Soln#"
320 FOR I=1 TO NO: PRINT USING "#####.#####";X(I),Y(I),YC(I),YC(I)-Y(I);: PRINT
TAB(45);F$(I): NEXT I
330 WHILE INKEY$="": WEND
335 XS=600: YS=AS*180: IF Q$="P" THEN XS=10
340 CLS: LINE (30,15*AS)-(630,315*AS),,B: LINE (30,138*AS)-(630,138*AS)
345 X(20)=0: FOR I=1 TO N: CL=15: 'IF I>NO THEN CL=10
350 CIRCLE (30+XS*X(I),315-YS*Y(I)),3,CL: 'NEXT I
355 IF I>NO THEN FOR J=0 TO 2: CIRCLE (30+XS*X(I),315-YS*Y(I)),J,CL: NEXT J
360 NEXT I: LINE (30,315-YS*IN)-(630,315-YS*(IN+SL*600/XS))
365 LOCATE 24,40: IF Q$="P" THEN PRINT "P(NH3)"; ELSE PRINT "Y(NH3)";
370 LOCATE 24,4: PRINT "0";: LOCATE 23,3: PRINT "0";
375 LOCATE 24,77: IF Q$<>"P" THEN PRINT "1.0"; ELSE PRINT "60";
380 LOCATE 10,1: PRINT "1.0";: LOCATE 12,1: PRINT "Abs";: LOCATE 3,6: PRINT
W(K);"/cm  N=";NO;
385 LOCATE 20,40: PRINT "SLOPE=";SL;"#";EM;
390 LOCATE 21,36: PRINT "INTERCEPT=";IN;"#";EB;
395 LOCATE 22,38: PRINT "Y ERROR=";"#";EY: XV=(Y(20)-IN)/SL: LOCATE 24,15:
PRINT "(5%v/v)=";XV;: LOCATE 4,1
397 LINE (30,315-YS*Y(20))-(30+XS*XV,315-YS*Y(20)),,&HFF00: LINE -
(30+XS*XV,315),,&HF0F0
400 WHILE INKEY$="": WEND: CLS: NEXT K: END
410 MW=17.03: 'CF=760*100*(1/56.51)
420 A=-6.88: B=-.01989: C=9.711E-05: D=.1843: E=-.004392: F=-1.126E-06
430 'CLS: PRINT "Convert Molarity to 1)g/ml 2)WT% 3)X% 4)Molal":
440 TC=T(I): 'INPUT "T,C";TC
450 M=C(I): 'INPUT "Molarity/Normality",M
460 GOSUB 500
470 'PRINT "1)";P2,"2)";WP,"3)";XP,"4)";ML
480 C(I)=XP: RETURN
500 P1=999.65+.20438*TC-.061744*SQR(TC^3): 'kg/m^3 = g/L
510 P2=P1+M*(A+B*TC+C*TC^2)+SQR(M^3)*(D+E*TC+F*TC^2): 'kg/m^3 = g/L
520 WP=100*M*MW/P2: XP=100*(WP/MW)/((WP/MW)+(100-WP)/18.02)
530 ML=1000*M/(P2-M*MW): 'ML=1000*XP/((100-XP)*18.02)
540 RETURN
700 T=T(J): TK=T+273.2
710 V2=18.02/(.001*(999.83952#+16.945176#*T-.0079870401#*T^2-
.000046170461#*T^3+.00000010556302#*T^4-2.8054253D-10*T^5)/(1+.01689785#*T)):
'H2O Kell
720 V1=17.03*(4.283+.813055*SQR(133-T)-.0082861*(133-T))/(1+.424805*SQR(133-
T)+.015938*(133-T)): 'NH3 -70<=T,C<=130
730 DEC=(V2/V1)^2*EXP(-9.472201+.061719*TK-7.8545E-05*TK^2)
740 SEC=EXP(11.825-.049979*TK+5.972E-05*TK^2)
750 G1=SQR(SEC*DEC): G2=SQR(SEC/DEC)
760 X=C(J)/100

```

```

770 Z=1-X: GOSUB 800: Y1=PA/PC
780 IF Q$="P" THEN X(J)=PA ELSE X(J)=Y1
790 RETURN
800 M=0: SP=-1: '.1
805 'LOCATE 23,1: PRINT "T=";T,"X=";X,"PO:PC=";PO;PC;
810 GA=EXP(-LOG(X+G1*Z)+Z*(G1/(X+G1*Z)-(G2/(G2*X+Z))))
820 GB=EXP(-LOG(Z+G2*X)-X*(G1/(X+G1*Z)-(G2/(G2*X+Z))))
830 P1=EXP(LOG(10)*(AP(1,1)-AP(2,1)/(T+AP(3,1))))
840 'P2=EXP(LOG(10)*(AP(1,2)-AP(2,2)/(T+AP(3,2))))
845 P2=(760/1.01325)*EXP(6.3571118#-8858.842/TK+607.56335#*TK^-.6)
850 PA=GA*P1*X: PB=GB*P2*Z: PC=PA+PB
860 RETURN: 'IF PO=PC THEN RETURN
865 'IF (PC>.995*PT(N,1) AND PC<1.005*PT(N,1)+1) THEN RETURN
870 'IF INT(PC+.5)>PT(N,1) THEN 890
880 'IF INT(PC+.5)<PT(N,1) THEN SP=-SP/10
890 'T=T+SP: PO=PC: GOTO 830
900 DATA 0, .505184, .9130297, 1.358341, 2.586055, 3.502543, 4.118553, 4.668593,
4.714598, 5.644237, 6.005074, 7.149197, 10.84075, 9.931494, 15.27311, 20.21054,
25.83198, 32.37287, 43.57077: 'P(i)
905 'FOR I=1 TO 20: C$=C$+STR$(X(I))+",": NEXT I: PRINT C$
910 DATA 0, 2.695324E-02, 4.552503E-02, 6.982581E-02, .1193454, .1635946, .178835,
.2061497, .2077738, .230356, .2508726, .2717485, .357159, .3581535, .4502156,
.5143259, .5789173, .641125, .7113002: 'Y(i)
920 RESTORE 900: DIM P(20),Y(20)
930 FOR I=1 TO 19: READ P(I): NEXT I: FOR I=1 TO 19: READ Y(I): NEXT I
940 SCREEN 9: CLS: KEY OFF: LINE (30,15)-(630,315),,B
950 'FOR I=1 TO 19: CIRCLE (30+12*P(I),315-300*Y(I)),3: NEXT I
955 FOR I=1 TO 19: CIRCLE (30+600*Y(I),315-6*P(I)),3: NEXT I
960 'LOCATE 2,1: PRINT "1.0";: LOCATE 12,1: PRINT "Y(i)";: LOCATE 23,1: PRINT
"0"
965 LOCATE 2,1: PRINT "50";: LOCATE 12,1: PRINT "P(i)";: LOCATE 23,1: PRINT "0"
970 'LOCATE 24,4: PRINT "0";: LOCATE 24,40: PRINT "P(i)";: LOCATE 24,78: PRINT
"50";
975 LOCATE 24,4: PRINT "0";: LOCATE 24,40: PRINT "Y(i)";: LOCATE 24,78: PRINT
"1.0";
980 LOCATE 1,18: PRINT "NH3 Vapor Mole Fraction vs. Partial Pressure, torr"
990 LOCATE 5,1: END
1000 DATA 907.85,930.51,966.67,992.22,1026.9: 'NH3 peaks /cm
1001 'Filename,X%(NH3),TC,ABS(i)...
1002 DATA H2O,0.0000,20.5,0.00046,0.00055,0.00046,0.00145,-0.00043
1003 'H2O BESD,0.00068,0.00051,0.00078,0.00073,0.00095
1005 DATA 15,0.0998,20.6,.02958,.06963,.08439,.0314,.02624
1006 '15 BESD,.00092,.00093,.001,.00069,.00106
1010 DATA AL,0.095,21.4,0.0440,0.1121,0.13625,0.0513,0.0411
1015 DATA 11,0.268,20.5,0.06577,0.16608,0.20250,0.07786,0.06330
1016 '11 BESD,0.00042,0.00089,0.00113,0.00108,0.00060
1020 DATA 8,0.48,21.4,0.1161,0.3034,0.3598,0.1385,0.1138
1025 DATA 12,0.683,20.4,0.13524,0.35316,0.41687,0.16299,0.13373
1026 '12 BESD,0.00146,0.00242,0.00273,0.00143,0.00163
1030 DATA 9,0.76,21.3,0.1772,0.4603,0.5385,0.2101,0.1708
1035 DATA 13,0.897,20.5,0.19071,0.51034,0.58841,0.23366,0.19234

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1036 '13 BESD,0.00154,0.00324,0.00275,0.00128,0.00130
1040 DATA NL,0.5,20.5,0.17439,0.46116,0.54041,0.21311,0.17293
1041 'LN BESD,0.00139,0.00268,0.00434,0.00130,0.00099
1045 DATA 10,1.03,21.3,0.2221,0.5946,0.6628,0.2687,0.2186
1050 DATA 14,1.142,20.5,0.23097,0.61885,0.69316,0.27692,0.22942
1051 '14 BESD,0.00108,0.00340,0.00423,0.00154,0.00131
1055 DATA 1,1.27,21.6,0.2767,0.7327,0.8054,0.3322,0.2712
1060 DATA 3,1.84,22.0,0.3484,0.9495,0.9565,0.4296,0.3448
1065 DATA 3R,1.835,20.5,0.32732,0.87884,0.90395,0.39930,0.32325
1066 '3R BESD,0.00126,0.00591,0.00764,0.00252,0.00153
1070 DATA 2R,2.60,21.4,0.4439,1.1893,1.2075,0.5327,0.4193
1075 DATA 4,3.26,21.9,0.5186,1.3496,1.1241,0.6148,0.4839
1080 DATA 5,4.06,21.8,0.6021,1.4729,1.1587,0.6996,0.5476
1085 DATA 6,5.01,21.4,0.6935,1.5731,1.1952,0.7909,0.6177
1090 DATA 7,6.42,21.3,0.8324,1.6254,1.2235,0.9146,0.6898
1095 DATA LV,0.05,20.5,.26855,.7195,.78366,.32855,.26764
1096 'LV BESD,.00135,.00393,.00452,.00137,.00172
1100 RESTORE 1200: 'SCREEN 0
1110 FOR I=1 TO 20: READ F$(I),C(I),T(I): PRINT "#";F$(I);
1120 IF RIGHT$(F$(I),1)="L" THEN GOSUB 410
1125 IF I=9 THEN PRINT " v/v%=";100*C(I) ELSE PRINT " X%=";C(I);
1130 PRINT TAB(65);"t,C=";T(I): PRINT "SPECTRUM";: FOR J=1 TO 5: READ W(J)
1140 PRINT TAB(8+10*J);W(J);: NEXT J: PRINT "/cm": FOR L=1 TO 5: SA(L)=0: NEXT
L
1150 ND=10: FOR K=1 TO 10: READ F$: PRINT F$,: FOR L=1 TO 5: READ A
1160 PRINT USING "###.#####";A,: SA(L)=SA(L)+A: IF I=2 THEN ND=9
1170 NEXT L: PRINT: NEXT K: PRINT "   Average:";
1180 FOR L=1 TO 5: PRINT USING "###.#####";SA(L)/ND,: NEXT L
1190 PRINT: WHILE INKEY$="": WEND: PRINT: NEXT I: END
1200 DATA H2O, 0.0000, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9
1201 DATA A, -0.000257, 0.000682, 0.00042, 0.000835, -0.000399, B, 0.000411,
0.00017, 0.001295, 0.002209, 0.000334, C, 0.001473, 0.001473, 0.000667, 0.00204,
0.000022
1202 DATA D, 0.000906, 0.001004, -0.00019, 0.001607, -0.000251, E, 0.000932,
0.000148, 0.000305, 0.001231, -0.000603
1203 DATA F, 0.000981, 0.000561, -0.000072, 0.002467, 0.000164, G, 0.000685,
0.000742, -0.000293, 0.000043, 0.000423, H, -0.000495, 0.0000008, -0.000507, 0.000848,
-0.000206
1204 DATA I, -0.000527, -0.000174, 0.001936, 0.001557, -0.002866, J, 0.000449,
0.000918, 0.00104, 0.001655, -0.000943
1205 DATA 15, 0.0998, 20.6, 907.85, 930.51, 966.67, 992.22, 1026.9
1206 DATA A, 0.03164, 0.070566, 0.085508, 0.031492, 0.026476, B, 0, 0, 0, 0, 0, C,
0.028188, 0.070677, 0.084712, 0.031765, 0.027759
1207 DATA D, 0.031286, 0.070779, 0.083455, 0.0321, 0.027024, E, 0.029969, 0.070058,
0.083771, 0.032404, 0.026468
1208 DATA F, 0.02867, 0.069745, 0.084731, 0.030787, 0.025809, G, 0.029483, 0.068734,
0.082958, 0.030654, 0.026346, H, 0.028944, 0.06888, 0.084586, 0.030959, 0.024128
1209 DATA I, 0.029986, 0.068776, 0.086062, 0.031898, 0.026866, J, 0.029533, 0.068489,
0.083749, 0.030515, 0.025277
1210 DATA 11, 0.268, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9

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1211 DATA A, 0.064562, 0.16725, 0.2015, 0.078209, 0.062122, B, 0.065079, 0.16624,
 0.20379, 0.076091, 0.062902, C, 0.064782, 0.16499, 0.20449, 0.077377, 0.064094
 1212 DATA D, 0.064627, 0.16476, 0.20198, 0.076715, 0.062566, E, 0.064161, 0.16714,
 0.20152, 0.079826, 0.063566
 1213 DATA F, 0.064577, 0.16618, 0.2013, 0.078006, 0.063226, G, 0.064847, 0.16617,
 0.20407, 0.078552, 0.063225, H, 0.064358, 0.16686, 0.20082, 0.078706, 0.063786
 1214 DATA I, 0.065025, 0.16504, 0.20213, 0.077078, 0.063658, J, 0.065656, 0.16617,
 0.20343, 0.078009, 0.063787
 1215 DATA 12, 0.683, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9
 1216 DATA A, 0.1371, 0.35203, 0.41313, 0.15984, 0.13174, B, 0.13553, 0.35322,
 0.41351, 0.16421, 0.13324, C, 0.13659, 0.35392, 0.41767, 0.1625, 0.13225
 1217 DATA D, 0.13267, 0.34986, 0.4188, 0.16332, 0.1317, E, 0.13498, 0.35431, 0.41607,
 0.16216, 0.13412
 1218 DATA F, 0.13365, 0.35004, 0.41682, 0.16253, 0.1336, G, 0.13603, 0.35716,
 0.41963, 0.1649, 0.13619, H, 0.13513, 0.35365, 0.41573, 0.16366, 0.13562
 1219 DATA I, 0.13396, 0.35123, 0.41536, 0.16256, 0.13324, J, 0.13681, 0.35619,
 0.42196, 0.16423, 0.13558
 1220 DATA 13, 0.897, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9
 1221 DATA A, 0.1926, 0.50769, 0.59026, 0.23304, 0.19154, B, 0.19059, 0.51097,
 0.58806, 0.23301, 0.19294, C, 0.19086, 0.50806, 0.5885, 0.23357, 0.19373
 1222 DATA D, 0.18973, 0.50809, 0.58819, 0.23407, 0.19368, E, 0.1941, 0.51446,
 0.59435, 0.23675, 0.19081
 1223 DATA F, 0.1902, 0.50956, 0.58618, 0.23387, 0.19223, G, 0.18916, 0.51074,
 0.58544, 0.23261, 0.1906, H, 0.18946, 0.50653, 0.58537, 0.23204, 0.19241
 1224 DATA I, 0.19063, 0.50939, 0.58722, 0.23432, 0.19118, J, 0.18972, 0.51034,
 0.59055, 0.23338, 0.19118
 1225 DATA NL, 0.5, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9: '0.5N
 1226 DATA A, 0.17541, 0.4651, 0.54135, 0.21324, 0.17362, B, 0.17939, 0.46392,
 0.55033, 0.21515, 0.17237, C, 0.17488, 0.45868, 0.54114, 0.21367, 0.17273
 1227 DATA D, 0.17804, 0.46177, 0.53985, 0.21401, 0.17548, E, 0.17671, 0.46186,
 0.53809, 0.21366, 0.17386
 1228 DATA F, 0.17503, 0.46254, 0.53488, 0.21312, 0.17374, G, 0.17633, 0.46315,
 0.54411, 0.21376, 0.17487, H, 0.17568, 0.45895, 0.53951, 0.21212, 0.17286
 1229 DATA I, 0.17656, 0.45861, 0.53811, 0.21051, 0.17301, J, 0.17636, 0.45704,
 0.53675, 0.21188, 0.17293
 1230 DATA 14, 1.142, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9
 1231 DATA A, 0.23029, 0.61857, 0.69863, 0.28112, 0.2312, B, 0.22981, 0.62146,
 0.68997, 0.28137, 0.23263, C, 0.23209, 0.6232, 0.68585, 0.28121, 0.23015
 1232 DATA D, 0.23043, 0.61665, 0.69792, 0.28143, 0.23, E, 0.23245, 0.61953, 0.69494,
 0.28294, 0.22878
 1233 DATA F, 0.22959, 0.62058, 0.69667, 0.28079, 0.22814, G, 0.23096, 0.61841,
 0.69515, 0.28162, 0.23109, H, 0.23182, 0.6212, 0.69038, 0.28067, 0.22914
 1234 DATA I, 0.23217, 0.61806, 0.6931, 0.28092, 0.23092, J, 0.23004, 0.61086, 0.68895,
 0.68895, 0.22942
 1235 DATA 3R, 1.835, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9
 1236 DATA A, 0.32559, 0.8854, 0.91128, 0.40203, 0.32422, B, 0.32863, 0.87981,
 0.89987, 0.39689, 0.32351, C, 0.32804, 0.89627, 0.89627, 0.40047, 0.32271
 1237 DATA D, 0.32827, 0.87125, 0.90316, 0.40073, 0.32345, E, 0.32917, 0.8723,
 0.90009, 0.40049, 0.32468
 1238 DATA F, 0.32709, 0.88409, 0.90015, 0.39358, 0.32482, G, 0.3257, 0.88313,
 0.90232, 0.40179, 0.32138, H, 0.32745, 0.88146, 0.90632, 0.39873, 0.32459

1239 DATA I, 0.32593, 0.88479, 0.89816, 0.3992, 0.32011, J, 0.32732, 0.87036, 0.92192, 0.39906, 0.32302
 1240 DATA LV, 0.05, 20.5, 907.85, 930.51, 966.67, 992.22, 1026.9: '5%v/v
 1241 DATA A, 0.26771, 0.71795, 0.78331, 0.32745, 0.26596, B, 0.26907, 0.71589, 0.78074, 0.32847, 0.26788, C, 0.26896, 0.72737, 0.79162, 0.33031, 0.26546
 1242 DATA D, 0.26899, 0.72498, 0.78741, 0.32704, 0.26673, E, 0.26916, 0.71952, 0.7829, 0.32888, 0.27116
 1243 DATA F, 0.26675, 0.71969, 0.77589, 0.32898, 0.26933, G, 0.27037, 0.71988, 0.78372, 0.33101, 0.26826, H, 0.26999, 0.715, 0.78036, 0.32692, 0.26823
 1244 DATA I, 0.26609, 0.71632, 0.78208, 0.32749, 0.26725, J, 0.26844, 0.71838, 0.78856, 0.32892, 0.26614
 1245 DATA AL, 0.095, 21.4, 907.85, 930.51, 966.67, 992.22, 1026.9: 'conc Normality
 1246 DATA A, 0.04220, 0.11069, 0.13639, 0.05083, 0.04061, B, 0.04412, 0.11246, 0.1364, 0.05201, 0.04324, C, 0.04397, 0.11026, 0.13566, 0.05075, 0.04047
 1247 DATA D, 0.04241, 0.11301, 0.1367, 0.05090, 0.04048, E, 0.04396, 0.11282, 0.1363, 0.05001, 0.04283
 1248 DATA F, 0.04726, 0.11448, 0.13766, 0.05226, 0.04028, G, 0.04410, 0.11094, 0.1348, 0.05192, 0.04074, H, 0.04367, 0.11086, 0.13667, 0.05117, 0.04129
 1249 DATA I, 0.04411, 0.11303, 0.13532, 0.05144, 0.04032, J, 0.04440, 0.11255, 0.13655, 0.05208, 0.04042
 1250 DATA 8, 0.48, 21.4, 907.85, 930.51, 966.67, 992.22, 1026.9
 1251 DATA A, 0.11626, 0.30302, 0.36008, 0.13867, 0.11406, B, 0.11636, 0.30448, 0.36162, 0.13817, 0.11252, C, 0.11605, 0.30309, 0.35944, 0.13858, 0.11471
 1252 DATA D, 0.11804, 0.3067, 0.36125, 0.13872, 0.11514, E, 0.11523, 0.30126, 0.35744, 0.13842, 0.11524
 1253 DATA F, 0.11555, 0.30311, 0.35986, 0.139, 0.11342, G, 0.11655, 0.30448, 0.36062, 0.13784, 0.11413, H, 0.1181, 0.30396, 0.3614, 0.13855, 0.11485
 1254 DATA I, 0.11596, 0.30245, 0.35931, 0.13938, 0.11232, J, 0.11797, 0.30152, 0.35731, 0.1375, 0.11201
 1255 DATA 9, 0.76, 21.3, 907.85, 930.51, 966.67, 992.22, 1026.9
 1256 DATA A, 0.17871, 0.46269, 0.53959, 0.20996, 0.17202, B, 0.1769, 0.46083, 0.54202, 0.21079, 0.16977, C, 0.17775, 0.45587, 0.53881, 0.20774, 0.16965
 1257 DATA D, 0.17557, 0.4608, 0.54033, 0.2103, 0.17107, E, 0.1779, 0.45948, 0.53855, 0.21095, 0.17211
 1258 DATA F, 0.17678, 0.45917, 0.53734, 0.20986, 0.16938, G, 0.17793, 0.45931, 0.53307, 0.21, 0.16991, H, 0.17733, 0.46232, 0.53855, 0.21119, 0.17157
 1259 DATA I, 0.1755, 0.46258, 0.53832, 0.21131, 0.17152, J, 0.17721, 0.45956, 0.53807, 0.20904, 0.17063
 1260 DATA 10, 1.033, 21.3, 907.85, 930.51, 966.67, 992.22, 1026.9
 1261 DATA A, 0.22258, 0.59294, 0.66377, 0.26909, 0.21699, B, 0.22229, 0.58885, 0.66201, 0.26862, 0.2183, C, 0.22262, 0.5915, 0.66384, 0.26794, 0.21832
 1262 DATA D, 0.22139, 0.59469, 0.66157, 0.26708, 0.21822, E, 0.22326, 0.5961, 0.66473, 0.2691, 0.21933
 1263 DATA F, 0.22037, 0.59496, 0.66504, 0.269, 0.21772, G, 0.22247, 0.59526, 0.66622, 0.26873, 0.21848, H, 0.22166, 0.59648, 0.66016, 0.2699, 0.21807
 1264 DATA I, 0.22472, 0.59751, 0.66086, 0.26867, 0.21836, J, 0.21963, 0.59782, 0.65936, 0.26882, 0.22188
 1265 DATA 1, 1.267, 21.6, 907.85, 930.51, 966.67, 992.22, 1026.9
 1266 DATA A, 0.13529, 0.33449, 0.38915, 0.15821, 0.13349, B, 0.26685, 0.70587, 0.77515, 0.32178, 0.26145, C, 0.27489, 0.72554, 0.80333, 0.33081, 0.26687

1267 DATA D, 0.27805, 0.73358, 0.80723, 0.33436, 0.26986,E, 0.27775, 0.73245,
 0.80217, 0.33258, 0.2712
 1268 DATA F, 0.27814, 0.73093, 0.80789, 0.32862, 0.27319,G, 0.27452, 0.73122,
 0.80634, 0.32856, 0.27374,H, 0.27838, 0.73684, 0.8092, 0.33679, 0.27222
 1269 DATA I, 0.27393, 0.74116, 0.80123, 0.33417, 0.27028,J, 0.27777, 0.7296, 0.8062,
 0.33171, 0.27201
 1270 DATA 3,1.835,22.0,907.85,930.51,966.67,992.22,1026.9
 1271 DATA A, 0.35186, 0.9503, 0.95463, 0.43085, 0.34583,B, 0.34668, 0.94573, 0.94164,
 0.42976, 0.34539,C, 0.34977, 0.9435, 0.95458, 0.43327, 0.34516
 1272 DATA D, 0.34817, 0.96629, 0.95705, 0.43251, 0.34639,E, 0.34795, 0.94833,
 0.96624, 0.42979, 0.34442
 1273 DATA F, 0.34979, 0.95782, 0.96349, 0.42905, 0.34566,G, 0.34687, 0.94623,
 0.95255, 0.4258, 0.34509,H, 0.35042, 0.95342, 0.97228, 0.4312, 0.34048
 1274 DATA I, 0.34635, 0.945, 0.94546, 0.42687, 0.34418,J, 0.34659, 0.9386, 0.95688,
 0.42733, 0.34496
 1275 DATA 2R,2.600,21.4,907.85,930.51,966.67,992.22,1026.9
 1276 DATA A, 0.46111, 1.1827, 1.2311, 0.53371, 0.42069,B, 0.44327, 1.217, 1.2258,
 0.53756, 0.42418,C, 0.44375, 1.1694, 1.2066, 0.53074, 0.41703
 1277 DATA D, 0.4397, 1.2063, 1.2133, 0.53487, 0.42131,E, 0.43972, 1.1627, 1.2122,
 0.53422, 0.41937
 1278 DATA F, 0.44213, 1.1646, 1.1953, 0.52734, 0.41551,G, 0.44256, 1.1722, 1.2024,
 0.52975, 0.41875,H, 0.44331, 1.2127, 1.1847, 0.5308, 0.41777
 1279 DATA I, 0.4415, 1.218, 1.1931, 0.53301, 0.41976,J, 0.44167, 1.1872, 1.2106,
 0.53518, 0.41824
 1280 DATA 4,3.264,21.9,907.85,930.51,966.67,992.22,1026.9
 1281 DATA A, 0.52262, 1.3518, 1.1263, 0.64249, 0.45712,B, 0.51826, 1.3514, 1.1254,
 0.61138, 0.49009,C, 0.51955, 1.3636, 1.1234, 0.60862, 0.48695
 1282 DATA D, 0.52192, 1.3333, 1.1262, 0.6141, 0.48703,E, 0.5156, 1.3722, 1.1204,
 0.61421, 0.48893
 1283 DATA F, 0.51933, 1.3603, 1.127, 0.61777, 0.48439,G, 0.51967, 1.3507, 1.128,
 0.60962, 0.49035,H, 0.51692, 1.349, 1.1268, 0.6111, 0.48475
 1284 DATA I, 0.51907, 1.3325, 1.1287, 0.61289, 0.48597,J, 0.51336, 1.3311, 1.1083,
 0.60626, 0.48354
 1285 DATA 5,4.06,21.8,907.85,930.51,966.67,992.22,1026.9
 1286 DATA A, 0.60519, 1.4628, 1.1633, 0.70228, 0.55004,B, 0.60645, 1.4515, 1.1706,
 0.70043, 0.54632,C, 0.59998, 1.4886, 1.1482, 0.69909, 0.55147
 1287 DATA D, 0.60732, 1.5199, 1.1608, 0.70076, 0.55096,E, 0.60289, 1.5199, 1.1577,
 0.69564, 0.54826
 1288 DATA F, 0.60609, 1.5001, 1.1622, 0.70242, 0.54681,G, 0.59968, 1.4333, 1.1627,
 0.69988, 0.54516,H, 0.59686, 1.4436, 1.1518, 0.69671, 0.54439
 1289 DATA I, 0.59557, 1.4614, 1.151, 0.69921, 0.54624,J, 0.60118, 1.4479, 1.1589,
 0.69975, 0.54603
 1290 DATA 6,5.005,21.4,907.85,930.51,966.67,992.22,1026.9
 1291 DATA A, 0.49611, 1.3809, 1.1736, 0.6008, 0.48037,B, 0.50325, 1.365, 1.1669,
 0.59513, 0.47725,C, 0.5271, 1.3607, 1.12, 0.6186, 0.49319
 1292 DATA D, 0.64356, 1.4892, 1.1545, 0.73166, 0.57489,E, 0.67882, 1.5821, 1.2036,
 0.77729, 0.60878
 1293 DATA F, 0.6954, 1.5921, 1.2051, 0.79204, 0.61579,G, 0.69111, 1.5624, 1.1979,
 0.78705, 0.6199,H, 0.69212, 1.6064, 1.1846, 0.79249, 0.61817
 1294 DATA I, 0.69481, 1.5486, 1.1875, 0.78786, 0.61772,J, 0.69407, 1.5561, 1.2011,
 0.7953, 0.61699

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1295 DATA 7,6.416,21.4,907.85,930.51,966.67,992.22,1026.9
1296 DATA A, 0.83367, 1.6292, 1.2359, 0.90948, 0.69299,B, 0.83191, 1.5904, 1.2203,
0.91049, 0.68784,C, 0.82416, 1.6142, 1.2366, 0.90927, 0.69363
1297 DATA D, 0.83525, 1.6045, 1.2374, 0.91604, 0.69404,E, 0.82692, 1.6156, 1.2244,
0.91697, 0.69019
1298 DATA F, 0.83349, 1.6276, 1.2247, 0.92072, 0.68634,G, 0.84053, 1.6417, 1.2098,
0.92362, 0.68764,H, 0.83848, 1.6601, 1.2161, 0.90571, 0.69462
1299 DATA I, 0.83528, 1.6606, 1.2155, 0.91702, 0.68272,J, 0.8238, 1.6099, 1.2144,
0.9164, 0.68825
1300 Q$="P": INPUT "conc(1.265),inc.(.003)",CO,IN
1310 PRINT "X%(NH3)","P,torr","Y1"
1320 FOR J=0 TO 20: T(J)=20.5: C(J)=CO+J*IN: GOSUB 700
1330 PRINT C(J),PA,Y1: NEXT J
1340 END
1400 'DIM AP(3,2): FOR K=1 TO 3: READ AP(K,1): NEXT K
1405 'DATA 7.74396,1113.928,262.751: 'Ohe NIST
1410 FOR T=-70 TO 100 STEP 10: V1=17.03*(4.283+.813055*SQR(133-T)-
.0082861*(133-T))/(1+.424805*SQR(133-T)+.015938*(133-T))
1420 IF T>0 THEN V2=18.02/((.001*(999.83952#+16.945176#*T-.0079870401#*T^2-
.000046170461#*T^3+.00000010556302#*T^4-2.8054253D-10*T^5)/(1+.01689785#*T))
1430 P1=EXP(LOG(10)*(AP(1,1)-AP(2,1)/(T+AP(3,1)))): TK=273+T
1440 P2=(760/1.01325)*EXP(6.3571118#-8858.842/TK+607.56335#*TK^-.6)
1450 PRINT T,V1,P1,V2,P2: NEXT T

```

APPENDIX B
ABSORBANCE RESULTS

Conc.: Y

Conc.: P or Y? Y

N(max)= 20 Select N<=N(max)16

Wavenumber= 907.85

SLOPE= .9884632 # 2.229419E-02 INTERCEPT=-6.848865E-03 # 5.790163E-03 Y ERROR= #

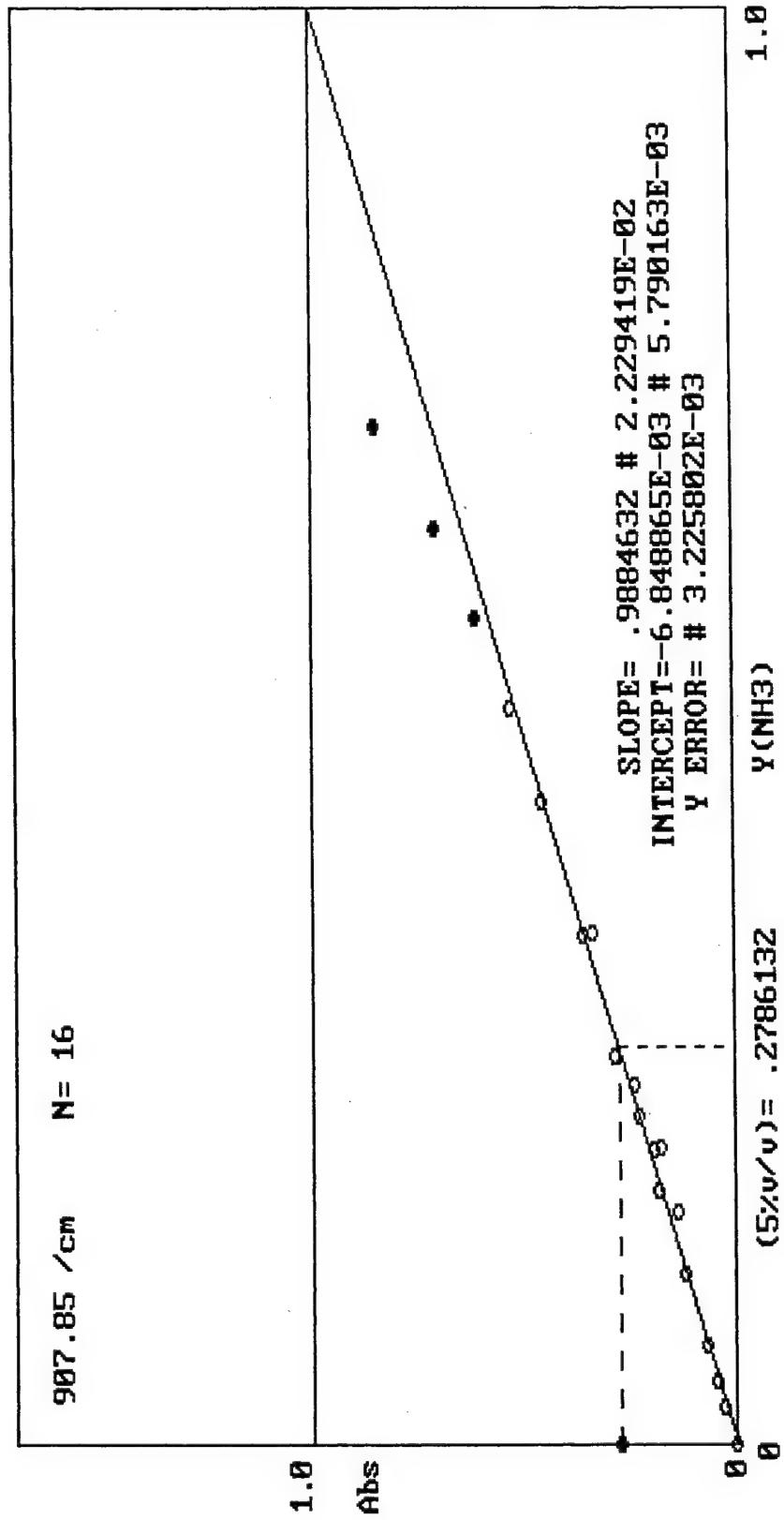
ss= 2.330899E-03

srs= 2.33082E-03

3.225802E-03

Least Squares Sum= 9.524639E-02

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0005	-0.0068	-0.0073	H2O
0.0270	0.0296	0.0198	-0.0098	15
0.0455	0.0440	0.0382	-0.0058	AL
0.0698	0.0658	0.0622	-0.0036	11
0.1193	0.1161	0.1111	-0.0050	8
0.1636	0.1352	0.1549	0.0196	12
0.1788	0.1772	0.1699	-0.0073	9
0.2061	0.1907	0.1969	0.0062	13
0.2078	0.1744	0.1985	0.0241	NL
0.2304	0.2221	0.2208	-0.0013	10
0.2509	0.2310	0.2411	0.0102	14
0.2717	0.2767	0.2618	-0.0149	1
0.3572	0.3484	0.3462	-0.0022	3
0.3582	0.3273	0.3472	0.0199	3R
0.4502	0.4439	0.4382	-0.0057	2R
0.5143	0.5186	0.5015	-0.0171	4



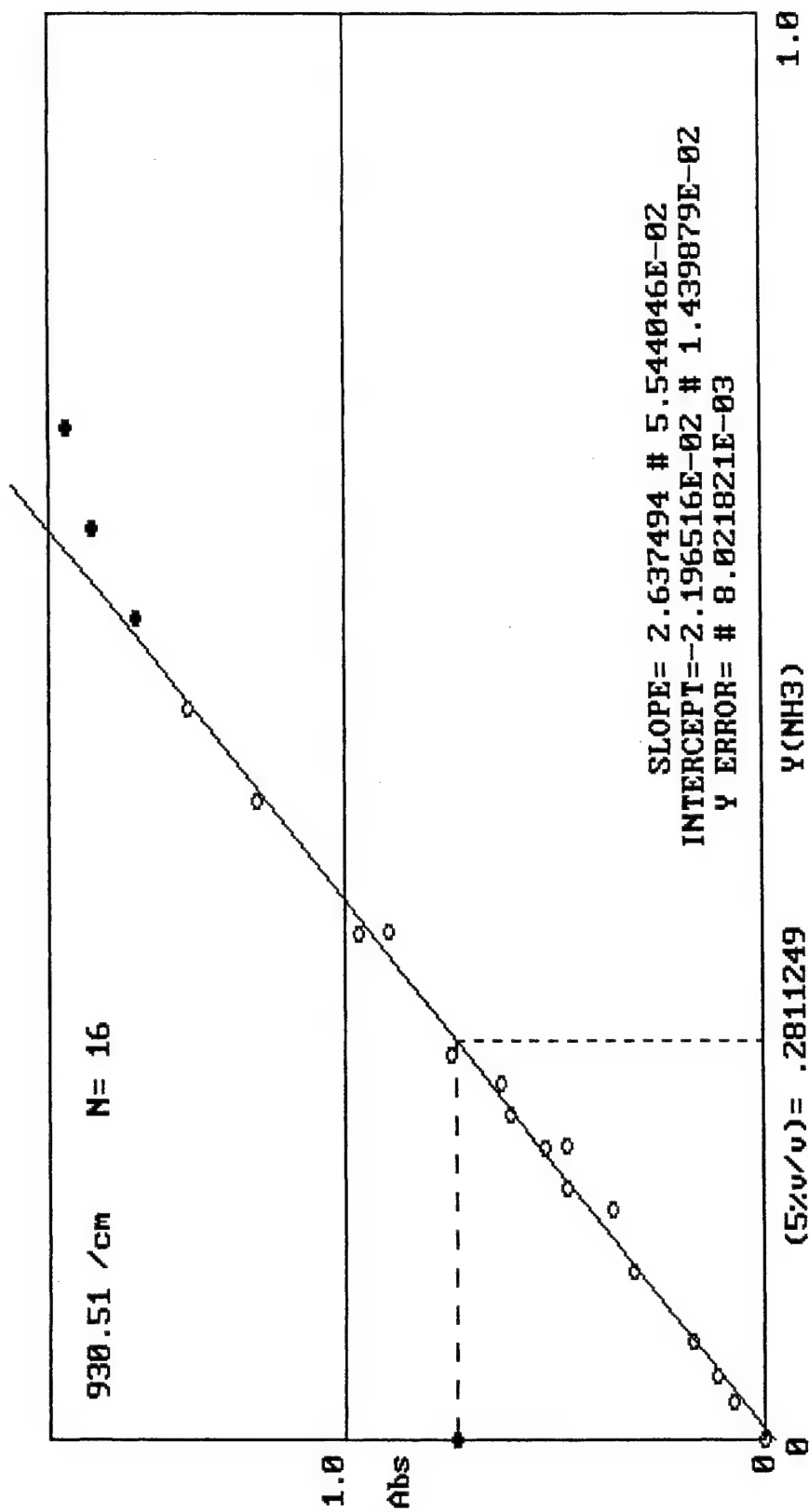
Conc.: Y

N(max)= 20 Select N<=N(max)16
Wavenumber= 930.51 ss= 1.441431E-02 srs= 1.441456E-02

SLOPE= 2.637494 # 5.544046E-02 INTERCEPT=-2.196516E-02 # 1.439879E-02 Y ERROR= #
8.021821E-03

Least Squares Sum= .5745873

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0006	-0.0220	-0.0225	H2O
0.0270	0.0696	0.0491	-0.0205	15
0.0455	0.1121	0.0981	-0.0140	AL
0.0698	0.1661	0.1622	-0.0039	11
0.1193	0.3034	0.2928	-0.0106	8
0.1636	0.3532	0.4095	0.0564	12
0.1788	0.4603	0.4497	-0.0106	9
0.2061	0.5103	0.5218	0.0114	13
0.2078	0.4612	0.5260	0.0649	NL
0.2304	0.5946	0.5856	-0.0090	10
0.2509	0.6189	0.6397	0.0209	14
0.2717	0.7327	0.6948	-0.0379	1
0.3572	0.9495	0.9200	-0.0295	3
0.3582	0.8788	0.9227	0.0438	3R
0.4502	1.1893	1.1655	-0.0238	2R
0.5143	1.3496	1.3346	-0.0150	4

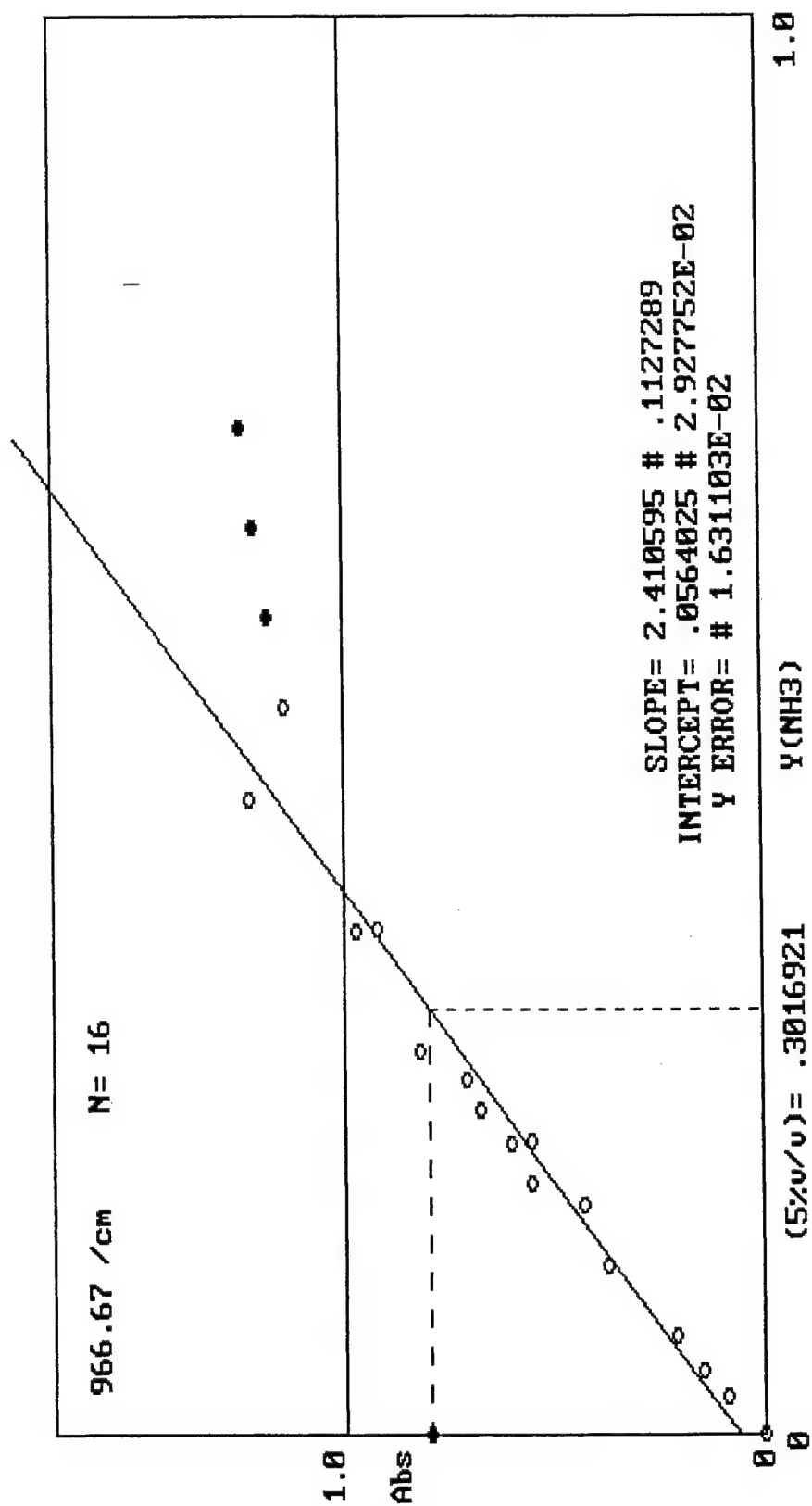


Conc.: Y

N(max)= 20 Select N<=N(max)16
Wavenumber= 966.67 ss= 5.959511E-02 srs= 5.959443E-02
SLOPE= 2.410595 # .1127289 INTERCEPT= .0564025 # 2.927752E-02 Y ERROR= #
1.631103E-02

Least Squares Sum= 1.092908

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0005	0.0564	0.0559	H2O
0.0270	0.0844	0.1214	0.0370	15
0.0455	0.1363	0.1661	0.0299	AL
0.0698	0.2025	0.2247	0.0222	11
0.1193	0.3598	0.3441	-0.0157	8
0.1636	0.4169	0.4508	0.0339	12
0.1788	0.5385	0.4875	-0.0510	9
0.2061	0.5884	0.5533	-0.0351	13
0.2078	0.5404	0.5573	0.0169	NL
0.2304	0.6628	0.6117	-0.0511	10
0.2509	0.6932	0.6612	-0.0320	14
0.2717	0.8054	0.7115	-0.0939	1
0.3572	0.9565	0.9174	-0.0391	3
0.3582	0.9040	0.9198	0.0158	3R
0.4502	1.2075	1.1417	-0.0658	2R
0.5143	1.1241	1.2962	0.1721	4

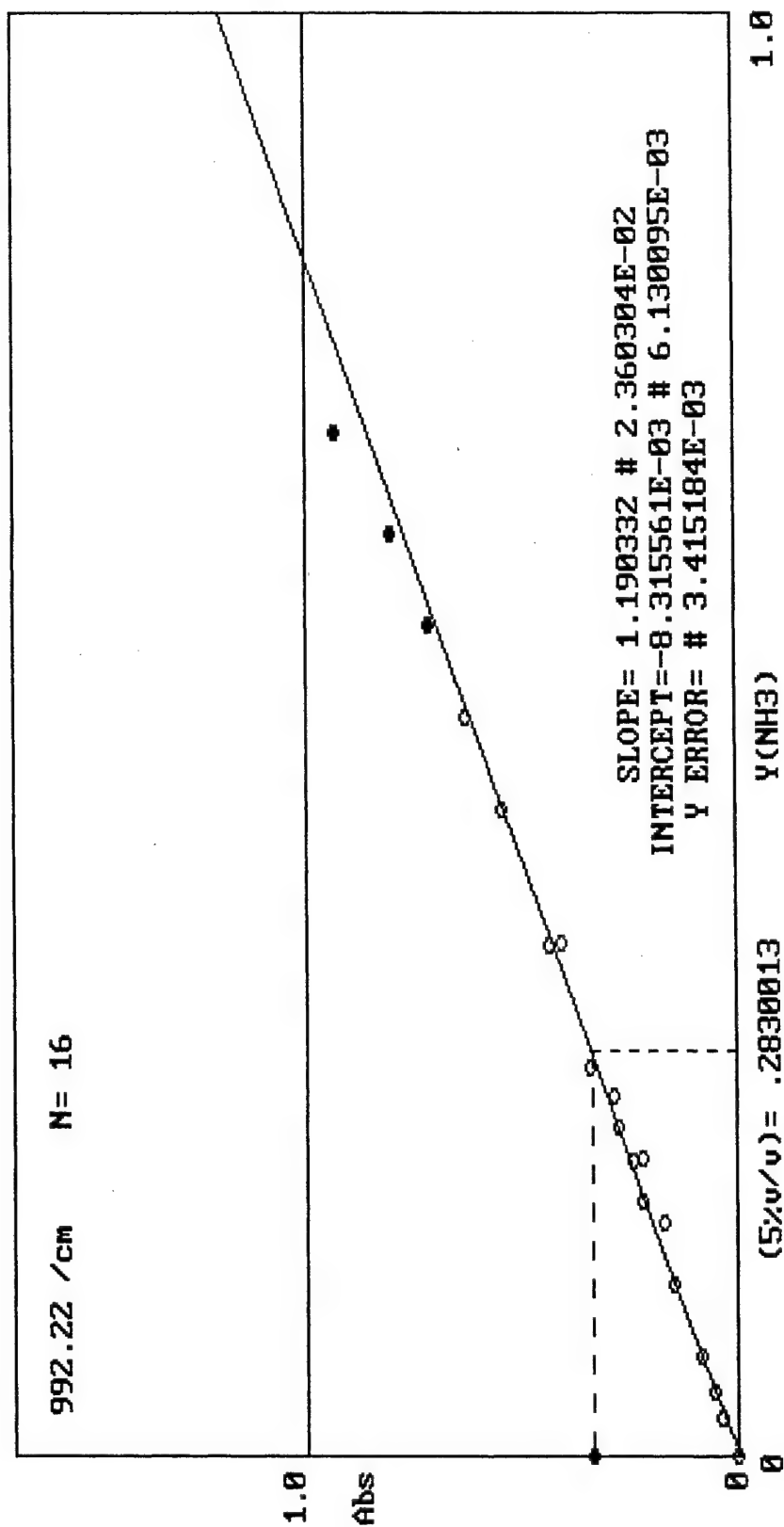


Conc.: Y

N(max)= 20 Select N<=N(max)16
 Wavenumber= 992.22 ss= 2.612621E-03 srs= 2.612355E-03
 SLOPE= 1.190332 # 2.360304E-02 INTERCEPT=-8.315561E-03 # 6.130095E-03 Y ERROR= #
 3.415184E-03

Least Squares Sum= .1128687

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0015	-0.0083	-0.0098	H2O
0.0270	0.0314	0.0238	-0.0076	15
0.0455	0.0513	0.0459	-0.0054	AL
0.0698	0.0779	0.0748	-0.0031	11
0.1193	0.1385	0.1337	-0.0048	8
0.1636	0.1630	0.1864	0.0234	12
0.1788	0.2101	0.2046	-0.0055	9
0.2061	0.2337	0.2371	0.0034	13
0.2078	0.2131	0.2390	0.0259	NL
0.2304	0.2687	0.2659	-0.0028	10
0.2509	0.2769	0.2903	0.0134	14
0.2717	0.3322	0.3152	-0.0170	1
0.3572	0.4296	0.4168	-0.0128	3
0.3582	0.3993	0.4180	0.0187	3R
0.4502	0.5327	0.5276	-0.0051	2R
0.5143	0.6148	0.6039	-0.0109	4

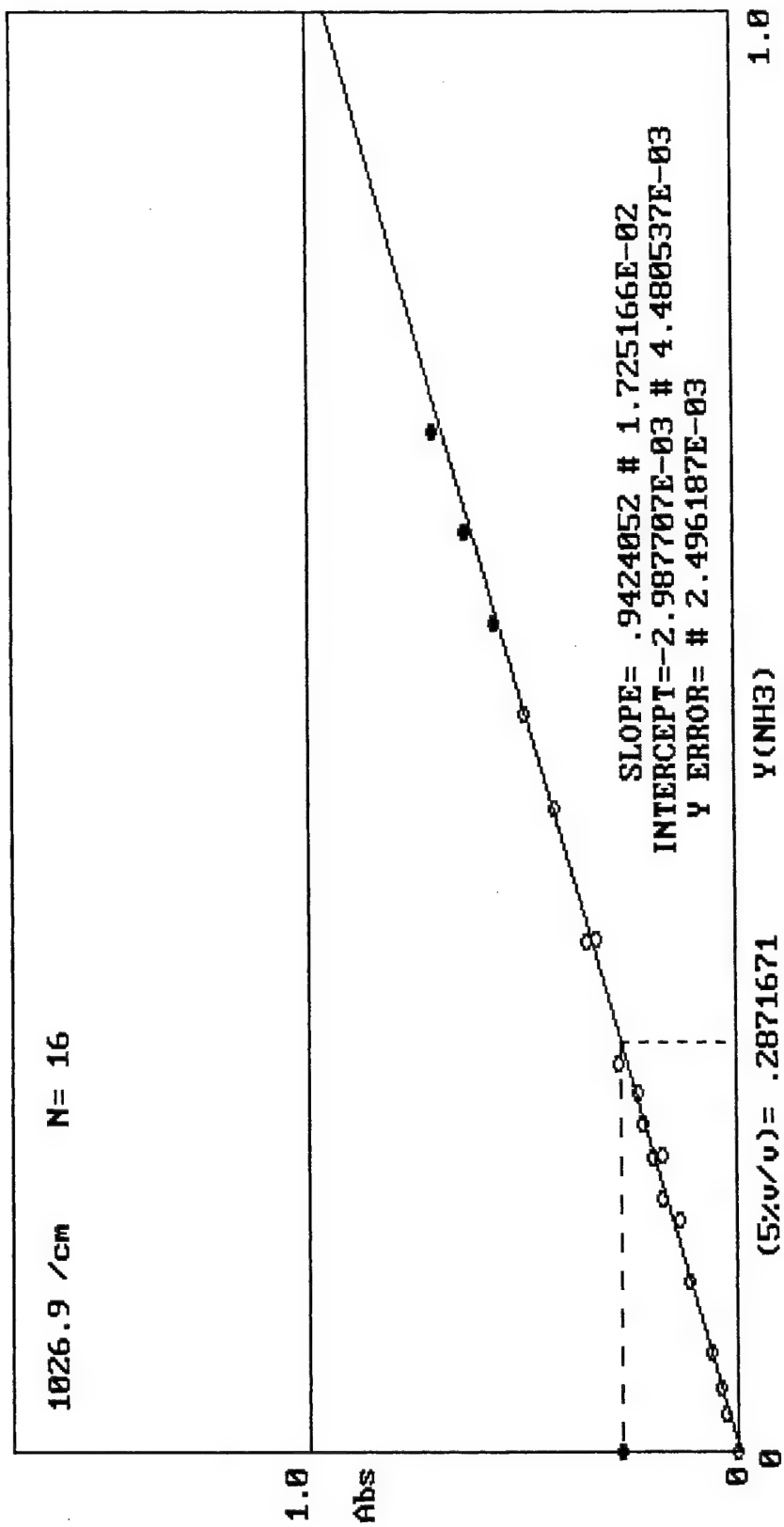


Conc.: Y

N(max)= 20 Select N<=N(max)16
 Wavenumber= 1026.9 ss= 1.395732E-03 srs= 1.395641E-03
 SLOPE= .9424052 # 1.725166E-02 INTERCEPT=-2.987707E-03 # 4.480537E-03 Y ERROR= #
 2.496187E-03

Least Squares Sum= 6.863585E-02

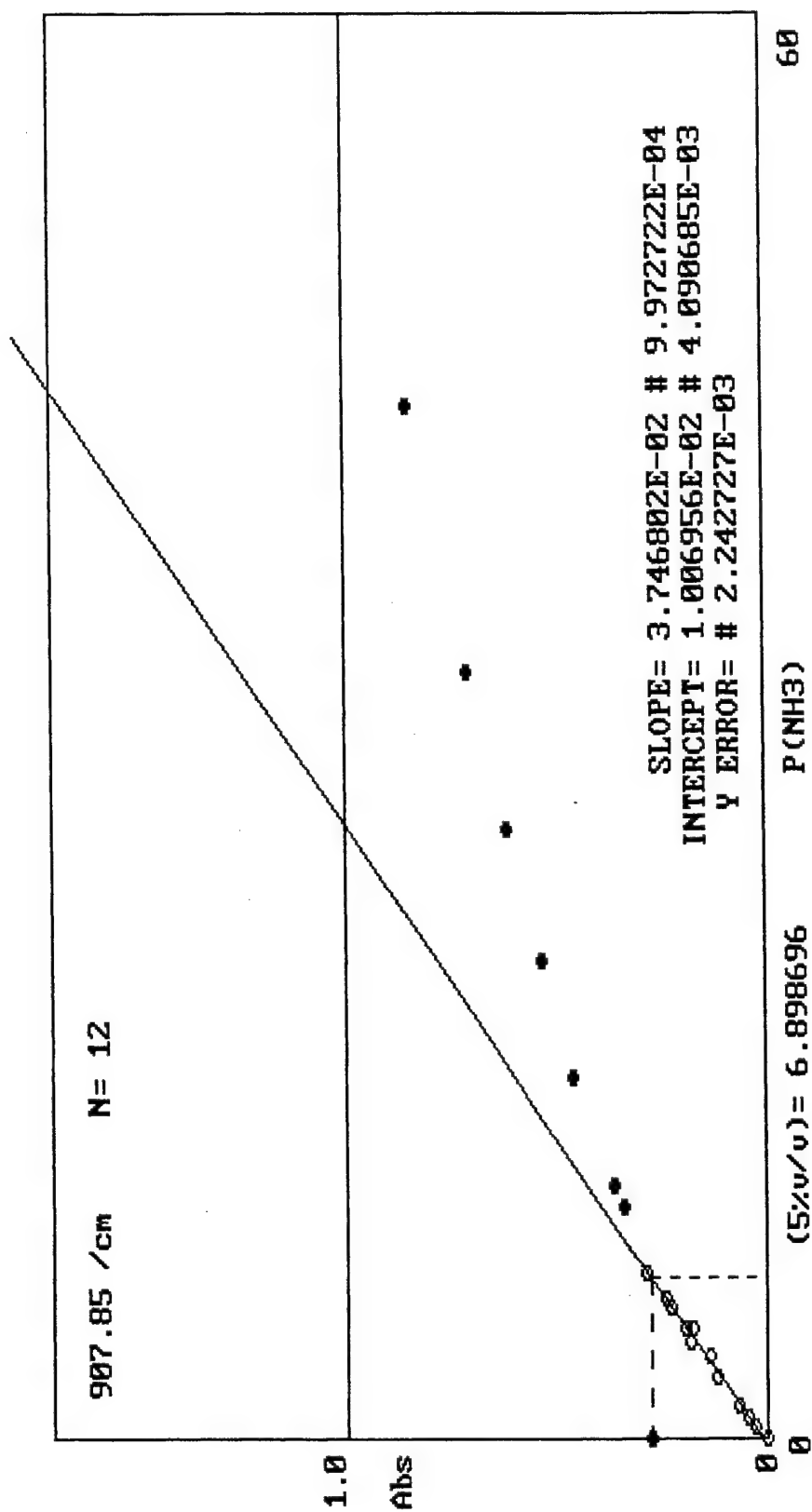
C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	-0.0004	-0.0030	-0.0026	H2O
0.0270	0.0262	0.0224	-0.0038	15
0.0455	0.0411	0.0399	-0.0012	AL
0.0698	0.0633	0.0628	-0.0005	11
0.1193	0.1138	0.1095	-0.0043	8
0.1636	0.1337	0.1512	0.0175	12
0.1788	0.1708	0.1655	-0.0053	9
0.2061	0.1923	0.1913	-0.0011	13
0.2078	0.1729	0.1928	0.0199	NL
0.2304	0.2186	0.2141	-0.0045	10
0.2509	0.2294	0.2334	0.0040	14
0.2717	0.2712	0.2531	-0.0181	1
0.3572	0.3448	0.3336	-0.0112	3
0.3582	0.3233	0.3345	0.0113	3R
0.4502	0.4193	0.4213	0.0020	2R
0.5143	0.4839	0.4817	-0.0022	4



Conc.: P

Conc.: P or Y? P
 N(max)= 20 Select N<=N(max)12
 Wavenumber= 907.85 ss= 6.03579E-04 srs= 6.035959E-04
 SLOPE= 3.746802E-02 # 9.972722E-04 INTERCEPT= 1.006956E-02 # 4.090685E-03
 Y ERROR= # 2.242727E-03
 Least Squares Sum= 1.229313

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0005	0.0101	0.0096	H2O
0.5052	0.0296	0.0290	-0.0006	15
0.9130	0.0440	0.0443	0.0003	AL
1.3583	0.0658	0.0610	-0.0048	11
2.5861	0.1161	0.1070	-0.0091	8
3.5025	0.1352	0.1413	0.0061	12
4.1186	0.1772	0.1644	-0.0128	9
4.6686	0.1907	0.1850	-0.0057	13
4.7146	0.1744	0.1867	0.0123	NL
5.6442	0.2221	0.2215	-0.0006	10
6.0051	0.2310	0.2351	0.0041	14
7.1492	0.2767	0.2779	0.0012	1

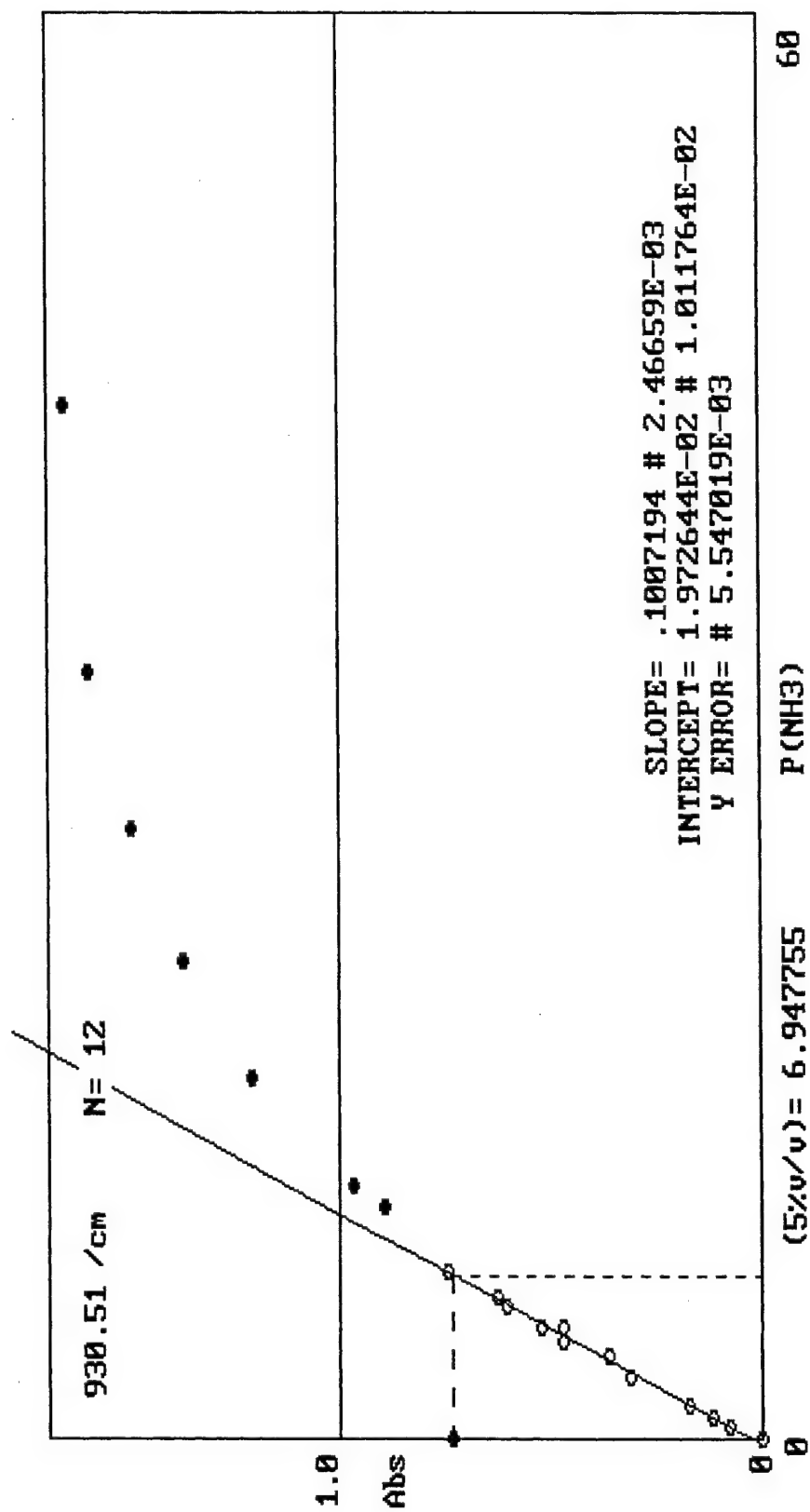


Conc.: P

N(max)= 20 Select N<=N(max)12
 Wavenumber= 930.51 ss= 3.692329E-03 srs= 3.692265E-03
 SLOPE= .1007194 # 2.46659E-03 INTERCEPT= 1.972644E-02 # 1.011764E-02 Y ERROR= #
 5.547019E-03

Least Squares Sum= 13.11634

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0006	0.0197	0.0192	H2O
0.5052	0.0696	0.0706	0.0010	15
0.9130	0.1121	0.1117	-0.0004	AL
1.3583	0.1661	0.1565	-0.0095	11
2.5861	0.3034	0.2802	-0.0232	8
3.5025	0.3532	0.3725	0.0193	12
4.1186	0.4603	0.4345	-0.0258	9
4.6686	0.5103	0.4899	-0.0204	13
4.7146	0.4612	0.4946	0.0334	NL
5.6442	0.5946	0.5882	-0.0064	10
6.0051	0.6189	0.6246	0.0057	14
7.1492	0.7327	0.7398	0.0071	1

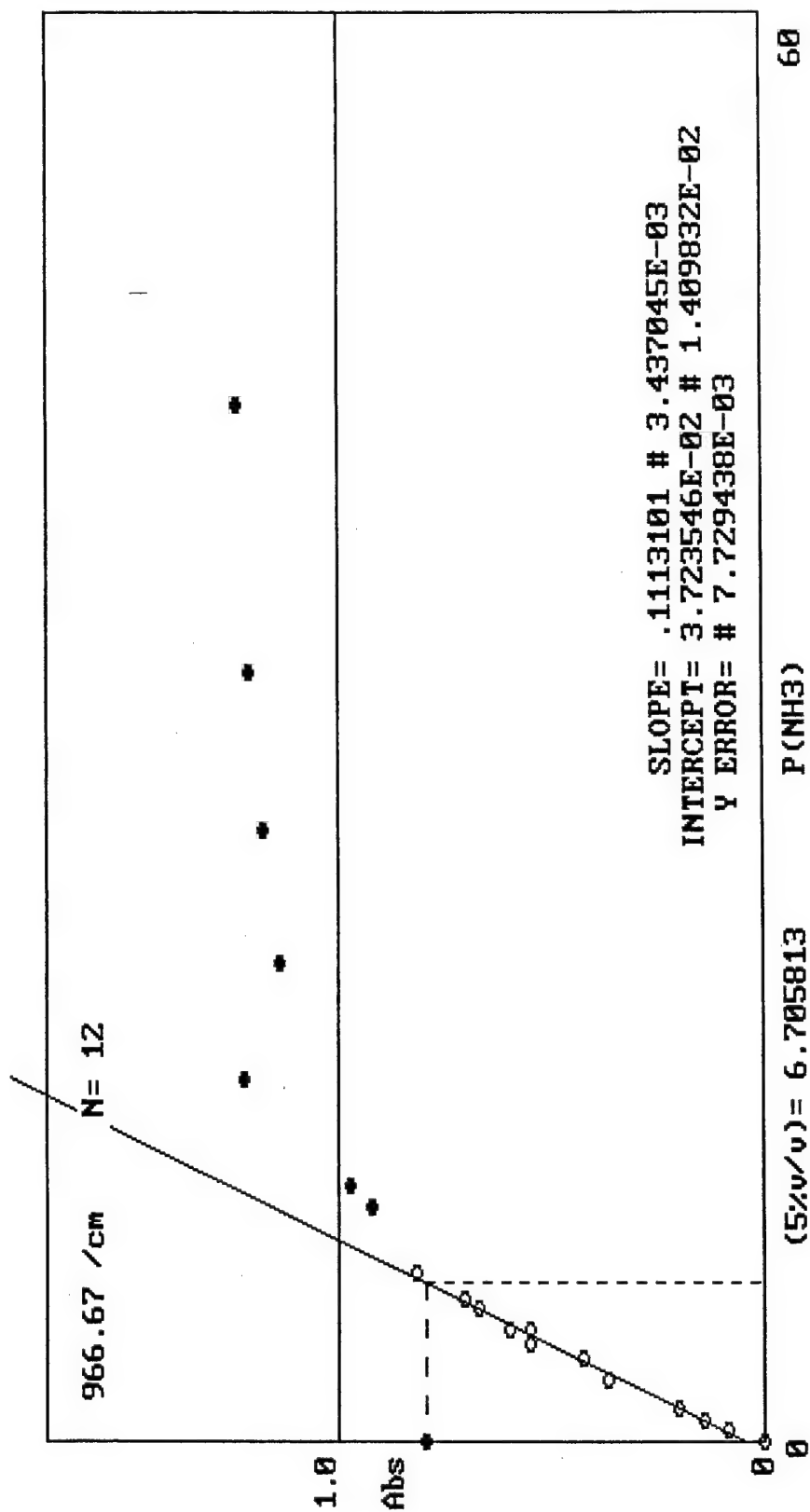


Conc.: P

N(max)= 20 Select N<=N(max)12
 Wavenumber= 966.67 ss= 7.169307E-03 srs= 7.169359E-03
 SLOPE= .1113101 # 3.437045E-03 INTERCEPT= 3.723546E-02 # 1.409832E-02 Y ERROR= #
 7.729438E-03

Least Squares Sum= 24.77411

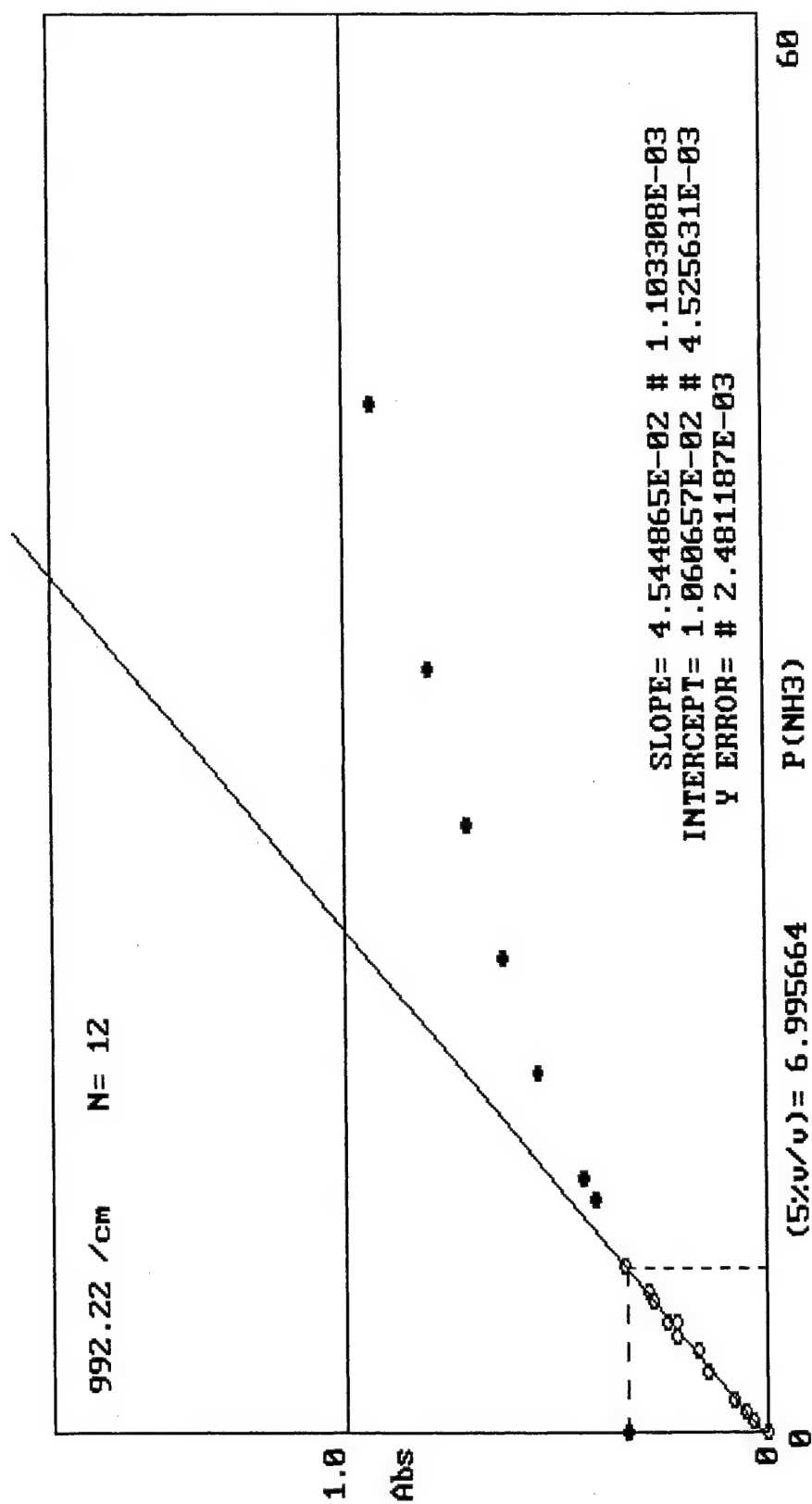
C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0005	0.0372	0.0368	H2O
0.5052	0.0844	0.0935	0.0091	15
0.9130	0.1363	0.1389	0.0026	AL
1.3583	0.2025	0.1884	-0.0141	11
2.5861	0.3598	0.3251	-0.0347	8
3.5025	0.4169	0.4271	0.0102	12
4.1186	0.5385	0.4957	-0.0428	9
4.6686	0.5884	0.5569	-0.0315	13
4.7146	0.5404	0.5620	0.0216	NL
5.6442	0.6628	0.6655	0.0027	10
6.0051	0.6932	0.7057	0.0125	14
7.1492	0.8054	0.8330	0.0276	1



Conc.: P

N(max)= 20 Select N<=N(max)12
 Wavenumber= 992.22 ss= 7.387549E-04 srs= 7.387364E-04
 SLOPE= 4.544865E-02 # 1.103308E-03 INTERCEPT= 1.060657E-02 # 4.525631E-03
 Y ERROR= # 2.481187E-03
 Least Squares Sum= 2.10352

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	0.0015	0.0106	0.0092	H2O
0.5052	0.0314	0.0336	0.0022	15
0.9130	0.0513	0.0521	0.0008	AL
1.3583	0.0779	0.0723	-0.0055	11
2.5861	0.1385	0.1281	-0.0104	8
3.5025	0.1630	0.1698	0.0068	12
4.1186	0.2101	0.1978	-0.0123	9
4.6686	0.2337	0.2228	-0.0109	13
4.7146	0.2131	0.2249	0.0118	NL
5.6442	0.2687	0.2671	-0.0016	10
6.0051	0.2769	0.2835	0.0066	14
7.1492	0.3322	0.3355	0.0033	1

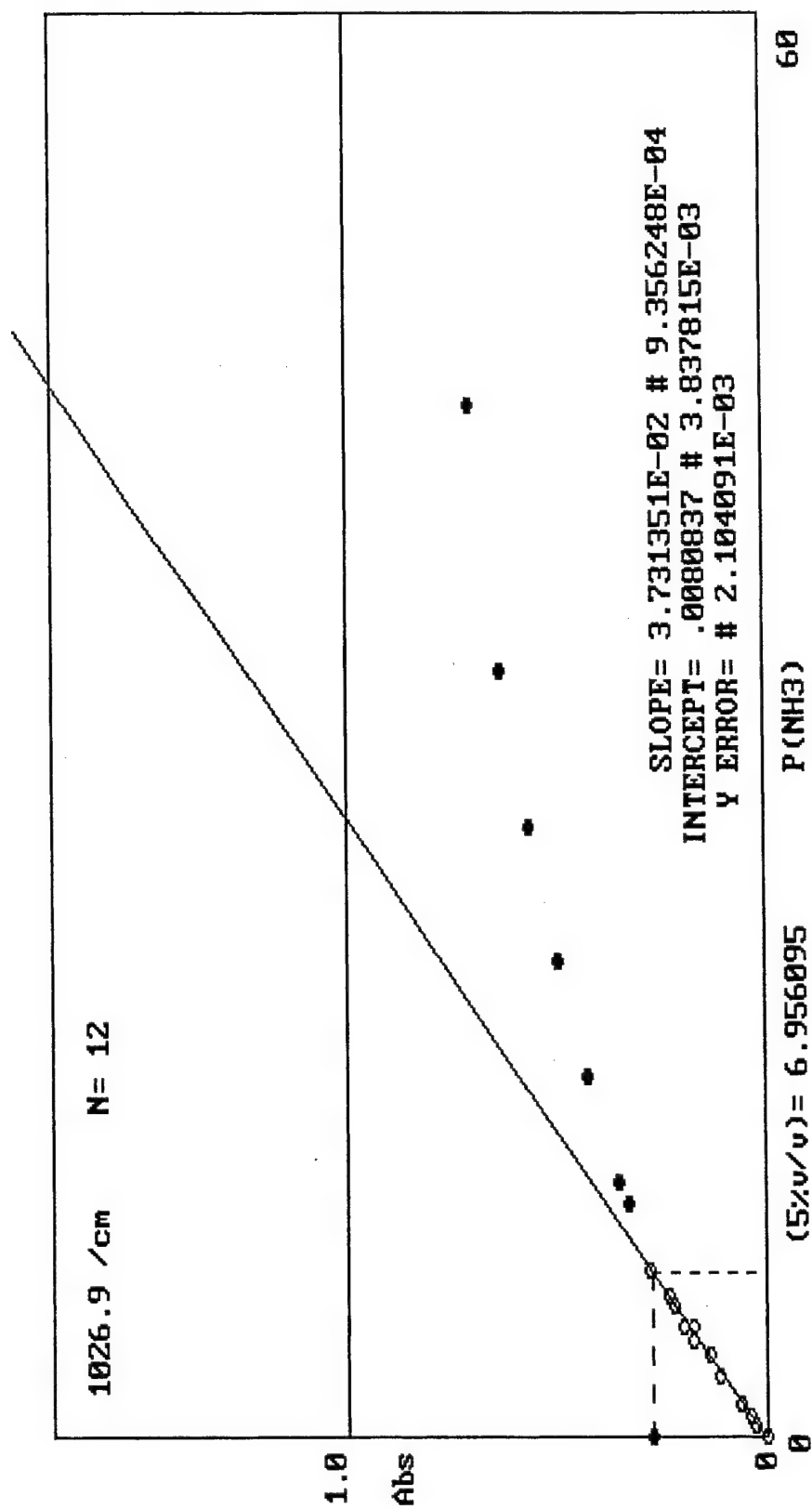


Conc.: P

N(max)= 20 Select N<=N(max)12
 Wavenumber= 1026.9 ss= 5.312637E-04 srs= 5.31259E-04
 SLOPE= 3.731351E-02 # 9.356248E-04 INTERCEPT= .0000837 # 3.837815E-03 Y ERROR=#
 2.104091E-03

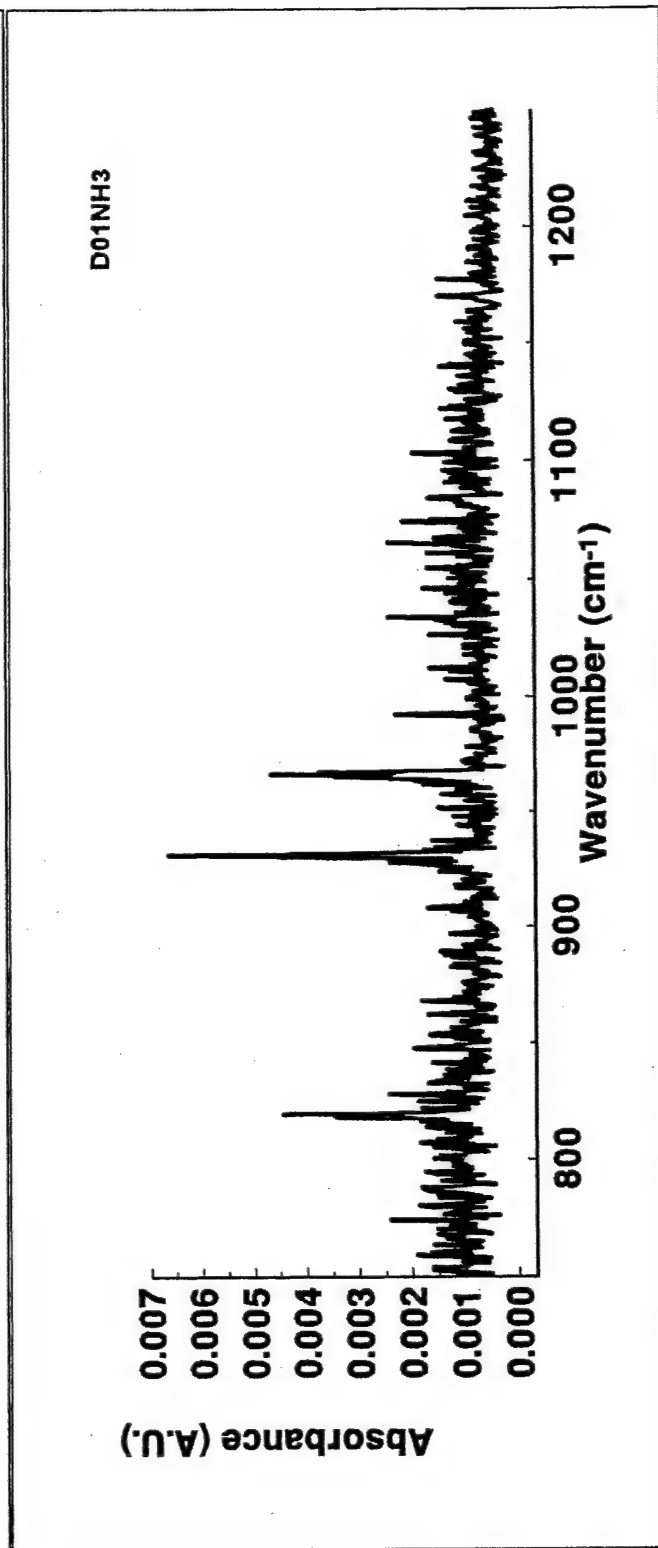
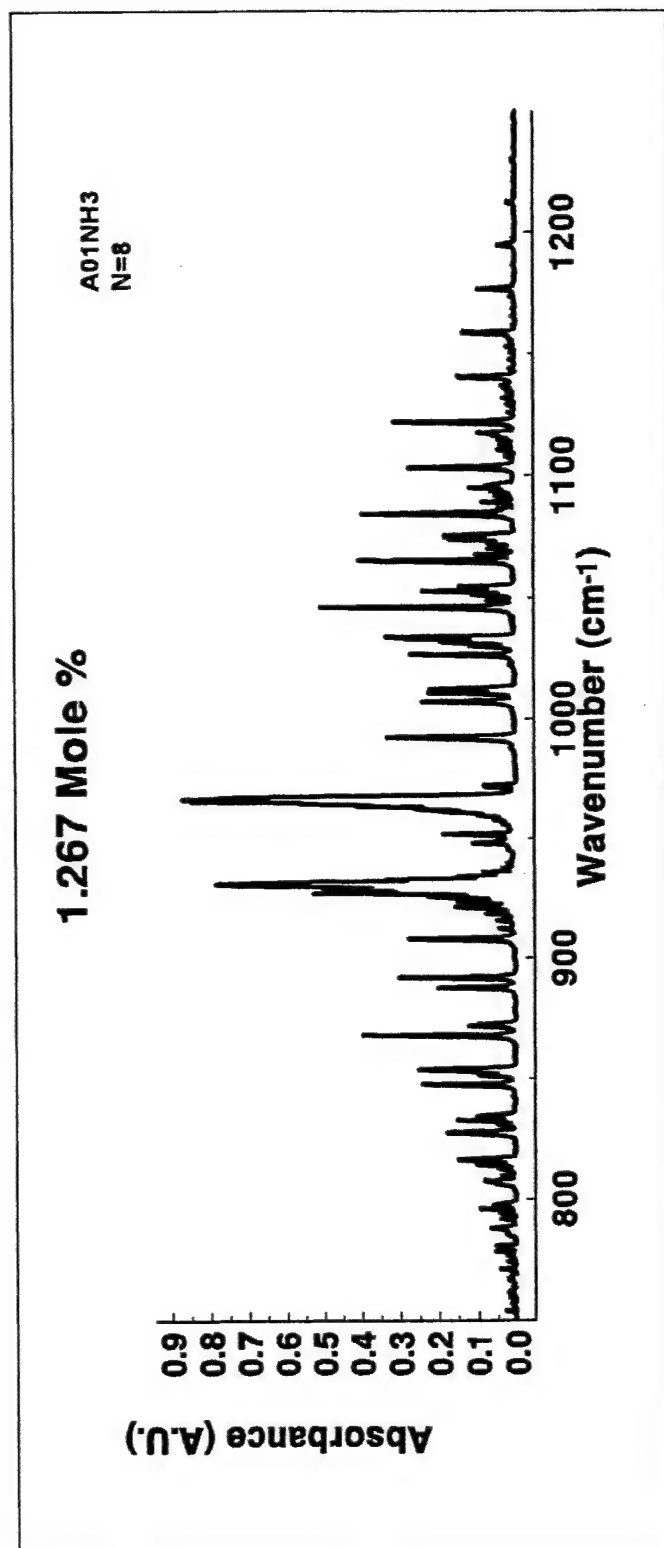
Least Squares Sum= 1.602762

C(i)	AB(i)	ABcalc(i)	Residual	
0.0000	-0.0004	0.0081	0.0085	H2O
0.5052	0.0262	0.0269	0.0007	15
0.9130	0.0411	0.0422	0.0011	AL
1.3583	0.0633	0.0588	-0.0045	11
2.5861	0.1138	0.1046	-0.0092	8
3.5025	0.1337	0.1308	0.0050	12
4.1186	0.1708	0.1618	-0.0090	9
4.6686	0.1923	0.1823	-0.0101	13
4.7146	0.1729	0.1840	0.0111	NL
5.6442	0.2186	0.2187	0.0001	10
6.0051	0.2294	0.2322	0.0027	14
7.1492	0.2712	0.2748	0.0036	1



Blank

APPENDIX C
PREPARED SOLUTION AMMONIA SPECTRA



Ammonia

1.267 Mole %

A01NH3
D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0036707	0.001165
750.677	0.0044904	0.000525
751.159	0.0048582	0.000835
751.641	0.0054927	0.001073
752.123	0.0044933	0.001329
752.605	0.0045177	0.001603
753.087	0.0102602	0.001355
753.57	0.0275905	0.00159
754.052	0.0032786	0.000965
754.534	0.0055141	0.000958
755.016	0.0074918	0.000978
755.498	0.0125354	0.000578
755.98	0.0098061	0.001068
756.462	0.0154275	0.000941
756.944	0.0058473	0.000917
757.426	0.0047955	0.000553
757.909	0.0046335	0.000914
758.391	0.0109084	0.001522
758.873	0.0190513	0.001894
759.355	0.0055062	0.000911
759.837	0.0076903	0.001646
760.319	0.0185606	0.001379
760.801	0.0214318	0.001109
761.283	0.010968	0.000941
761.766	0.0196848	0.00072
762.248	0.0113877	0.000892
762.73	0.0126678	0.000777
763.212	0.0058101	0.00158
763.694	0.0125187	0.000773
764.176	0.0120437	0.001043
764.658	0.0105859	0.000702
765.14	0.0084993	0.001133
765.622	0.0136062	0.001331
766.105	0.0204684	0.001362
766.587	0.0144661	0.001049
767.069	0.0220482	0.001051
767.551	0.0176291	0.001499
768.033	0.0167454	0.000538
768.515	0.0052913	0.00067
768.997	0.0040686	0.000815
769.479	0.0078938	0.001052
769.961	0.0114291	0.001507
770.444	0.0212079	0.000839
770.926	0.0419506	0.000871
771.408	0.008717	0.001283

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0068459	0.000818
772.372	0.0088714	0.001214
772.854	0.0041355	0.001236
773.336	0.0092765	0.000992
773.818	0.0252684	0.002396
774.301	0.0072416	0.00062
774.783	0.009013	0.000866
775.265	0.0096521	0.001088
775.747	0.0131608	0.000378
776.229	0.0275565	0.001397
776.711	0.012354	0.00133
777.193	0.0116713	0.001208
777.675	0.0196238	0.000925
778.157	0.0560822	0.001188
778.64	0.0102863	0.000771
779.122	0.0197224	0.000628
779.604	0.0406209	0.001576
780.086	0.0442866	0.00185
780.568	0.0538481	0.00128
781.05	0.005622	0.001013
781.532	0.0058932	0.000673
782.014	0.0040011	0.000828
782.497	0.0060521	0.000745
782.979	0.0079771	0.000541
783.461	0.0055403	0.001489
783.943	0.0080557	0.000718
784.425	0.013409	0.0015
784.907	0.0225135	0.000883
785.389	0.0280347	0.001013
785.871	0.0247147	0.001485
786.353	0.0270674	0.001715
786.836	0.0282156	0.001764
787.318	0.0482482	0.001473
787.8	0.0656558	0.001803
788.282	0.0512793	0.001038
788.764	0.0143212	0.000912
789.246	0.0060545	0.000448
789.728	0.0089187	0.000854
790.21	0.0078898	0.000842
790.692	0.009956	0.00144
791.175	0.0194845	0.001119
791.657	0.0416617	0.001091
792.139	0.0066453	0.000855
792.621	0.0056043	0.001182
793.103	0.0062885	0.00068

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.014088	0.001506
794.067	0.0463015	0.001592
794.549	0.0106725	0.001729
795.032	0.0112024	0.001027
795.514	0.0360859	0.000892
795.996	0.0948309	0.001021
796.478	0.0156023	0.000899
796.96	0.0285233	0.00123
797.442	0.0594401	0.000966
797.924	0.0394263	0.001077
798.406	0.0233908	0.001089
798.888	0.0113892	0.001247
799.371	0.0044284	0.001145
799.853	0.0041851	0.001077
800.335	0.0039173	0.001577
800.817	0.0069153	0.001163
801.299	0.0041511	0.001459
801.781	0.0032702	0.001012
802.263	0.0064181	0.001019
802.745	0.0041707	0.000895
803.227	0.006312	0.000593
803.71	0.0076667	0.000822
804.192	0.0123961	0.001008
804.674	0.0104518	0.00119
805.156	0.0159697	0.001585
805.638	0.0365288	0.000448
806.12	0.0560928	0.001053
806.602	0.0482148	0.000856
807.084	0.0688067	0.001825
807.567	0.0831345	0.001672
808.049	0.0165346	0.000986
808.531	0.0106357	0.001515
809.013	0.0174339	0.001319
809.495	0.040069	0.000894
809.977	0.0141233	0.001101
810.459	0.0096351	0.001021
810.941	0.0107126	0.000709
811.423	0.0156159	0.001344
811.906	0.0341622	0.00119
812.388	0.0486565	0.000851
812.87	0.0167182	0.000736
813.352	0.0236518	0.001462
813.834	0.0705308	0.001722
814.316	0.103274	0.001448
814.798	0.0312906	0.000906

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0669146	0.00131
815.762	0.074717	0.001383
816.245	0.151497	0.001831
816.727	0.109503	0.001326
817.209	0.0161073	0.001443
817.691	0.0088001	0.001962
818.173	0.0094161	0.003343
818.655	0.0071296	0.003459
819.137	0.0050285	0.002227
819.619	0.0085235	0.004419
820.102	0.0046986	0.001577
820.584	0.0055923	0.001499
821.066	0.0043973	0.001232
821.548	0.0041984	0.000942
822.03	0.0058384	0.001808
822.512	0.0090326	0.000948
822.994	0.0066688	0.000968
823.476	0.0049592	0.001037
823.959	0.0073595	0.000777
824.441	0.0088736	0.000948
824.923	0.0091093	0.001868
825.405	0.0174584	0.001044
825.887	0.0318812	0.000677
826.369	0.0818929	0.000986
826.851	0.101185	0.001029
827.333	0.17863	0.001628
827.816	0.157522	0.00242
828.298	0.0152287	0.001014
828.78	0.0098552	0.001334
829.262	0.0103903	0.000667
829.744	0.012728	0.000587
830.226	0.03466	0.000933
830.708	0.0518237	0.001003
831.19	0.0172827	0.001028
831.672	0.0258859	0.000825
832.155	0.0747013	0.000591
832.637	0.152377	0.00167
833.119	0.0353803	0.001206
833.601	0.0631045	0.001526
834.083	0.102904	0.001381
834.565	0.0926537	0.000927
835.047	0.0315788	0.001035
835.529	0.0111899	0.001012
836.011	0.0085599	0.001375
836.494	0.0072665	0.000963

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0086914	0.000621
837.458	0.0076302	0.000496
837.94	0.0089042	0.001178
838.422	0.0072014	0.00133
838.904	0.0078304	0.000688
839.386	0.0046354	0.000725
839.868	0.0064825	0.000719
840.351	0.0056144	0.000786
840.833	0.0058149	0.001214
841.315	0.0048596	0.001593
841.797	0.0082029	0.000624
842.279	0.0112194	0.000968
842.761	0.0081763	0.001001
843.243	0.0073878	0.000559
843.725	0.010006	0.000598
844.207	0.0089291	0.0008
844.69	0.0089814	0.000901
845.172	0.012819	0.000897
845.654	0.0187991	0.000744
846.136	0.0285825	0.000726
846.618	0.0597071	0.000559
847.1	0.166681	0.001904
847.582	0.241852	0.00195
848.064	0.0415634	0.001654
848.546	0.0162195	0.001051
849.029	0.0142437	0.001174
849.511	0.0149167	0.000853
849.993	0.0197451	0.000571
850.475	0.0356152	0.00082
850.957	0.0948861	0.000547
851.439	0.101482	0.001063
851.921	0.0521571	0.001178
852.403	0.111519	0.000723
852.886	0.12619	0.001618
853.368	0.251755	0.001643
853.85	0.209898	0.001541
854.332	0.0277036	0.000668
854.814	0.013427	0.001092
855.296	0.0077617	0.000983
855.778	0.0058349	0.001211
856.26	0.0054748	0.001242
856.742	0.005775	0.000968
857.225	0.0050582	0.000847
857.707	0.0069429	0.000735
858.189	0.006293	0.00087

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.007267	0.000431
859.153	0.0072253	0.001064
859.635	0.0070225	0.000821
860.117	0.0064468	0.000449
860.599	0.0060279	0.000426
861.081	0.0054378	0.000879
861.564	0.0066678	0.000585
862.046	0.0046831	0.001672
862.528	0.0066238	0.00089
863.01	0.0072945	0.001235
863.492	0.0037005	0.000628
863.974	0.0072801	0.000506
864.456	0.0077313	0.000674
864.938	0.0111523	0.000476
865.421	0.0168202	0.000803
865.903	0.0214991	0.000453
866.385	0.0331852	0.000622
866.867	0.0759043	0.001015
867.349	0.243712	0.001271
867.831	0.395184	0.001782
868.313	0.0499788	0.000749
868.795	0.0205215	0.001072
869.277	0.0112291	0.001193
869.76	0.0102366	0.000972
870.242	0.013671	0.000843
870.724	0.0218001	0.000728
871.206	0.0511063	0.000925
871.688	0.121861	0.001018
872.17	0.0857139	0.000771
872.652	0.0978193	0.000937
873.134	0.0149493	0.000581
873.617	0.0094455	0.000746
874.099	0.0056974	0.0005
874.581	0.0049477	0.000771
875.063	0.0037857	0.000985
875.545	0.0047219	0.000803
876.027	0.003803	0.001025
876.509	0.0043533	0.000928
876.991	0.005441	0.000744
877.474	0.0061209	0.000623
877.956	0.0061396	0.000642
878.438	0.0060421	0.000352
878.92	0.0072351	0.000468
879.402	0.0048597	0.000834
879.884	0.0047989	0.000764

Ammonia

1.267 Mole %

A01NH3
D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0055385	0.000563
880.848	0.0048997	0.000643
881.33	0.0033595	0.000856
881.813	0.0035583	0.000779
882.295	0.0051204	0.001243
882.777	0.0055539	0.001232
883.259	0.0063099	0.000746
883.741	0.0056947	0.001189
884.223	0.0073126	0.000355
884.705	0.0087248	0.000667
885.187	0.0091725	0.000535
885.669	0.0132638	0.000484
886.152	0.0195716	0.000872
886.634	0.0280875	0.001231
887.116	0.0733052	0.0008
887.598	0.202713	0.001356
888.08	0.195402	0.001374
888.562	0.0272349	0.000831
889.044	0.0159156	0.001432
889.526	0.0114396	0.000919
890.009	0.014765	0.000381
890.491	0.0209128	0.000989
890.973	0.0415017	0.000862
891.455	0.122483	0.000506
891.937	0.301658	0.00101
892.419	0.0624749	0.000743
892.901	0.0185087	0.000629
893.383	0.0107129	0.000777
893.865	0.0077875	0.000587
894.348	0.0066738	0.000605
894.83	0.0063996	0.000516
895.312	0.0047408	0.000608
895.794	0.0042435	0.000396
896.276	0.0032617	0.00087
896.758	0.003676	0.001248
897.24	0.0039268	0.000959
897.722	0.0042244	0.000833
898.204	0.0044258	0.000401
898.687	0.0051754	0.000413
899.169	0.006836	0.000586
899.651	0.0060409	0.000778
900.133	0.0087196	0.000476
900.615	0.0082942	0.00058
901.097	0.0076984	0.000529
901.579	0.0063269	0.000606

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0048793	0.000751
902.544	0.006573	0.000691
903.026	0.0078354	0.00078
903.508	0.0056587	0.000765
903.99	0.0083758	0.000912
904.472	0.0104686	0.000581
904.954	0.0129495	0.000738
905.436	0.0140742	0.000572
905.918	0.0186604	0.000683
906.4	0.0244894	0.001228
906.883	0.0379564	0.000982
907.365	0.092645	0.000682
907.847	0.276684	0.001674
908.329	0.178933	0.001544
908.811	0.0411579	0.000922
909.293	0.0173157	0.000686
909.775	0.0115368	0.000879
910.257	0.0088492	0.000985
910.739	0.0096797	0.000742
911.222	0.0119709	0.000734
911.704	0.0199458	0.000395
912.186	0.043996	0.000852
912.668	0.0146487	0.000778
913.15	0.0127299	0.000446
913.632	0.0108122	0.000745
914.114	0.0108164	0.000697
914.596	0.0134531	0.000514
915.079	0.0260341	0.000518
915.561	0.0503248	0.000626
916.043	0.0185279	0.000493
916.525	0.0185041	0.001129
917.007	0.0138489	0.000927
917.489	0.018435	0.000811
917.971	0.033027	0.001153
918.453	0.0786614	0.000685
918.935	0.028754	0.000627
919.418	0.0251286	0.000624
919.9	0.028129	0.000997
920.382	0.0505766	0.001034
920.864	0.125646	0.000852
921.346	0.156767	0.000817
921.828	0.0600789	0.000524
922.31	0.0399024	0.000705
922.792	0.066292	0.000995
923.275	0.152375	0.000912

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.138538	0.00146
924.239	0.0717772	0.001235
924.721	0.0775878	0.001008
925.203	0.163663	0.000872
925.685	0.229085	0.001439
926.167	0.13063	0.001233
926.649	0.213782	0.001625
927.132	0.526605	0.001862
927.614	0.309809	0.002395
928.096	0.31898	0.001152
928.578	0.500372	0.002058
929.06	0.440288	0.002447
929.542	0.374659	0.001247
930.024	0.584904	0.004473
930.506	0.732669	0.003394
930.988	0.782643	0.006628
931.471	0.667647	0.003573
931.953	0.492673	0.002689
932.435	0.285312	0.001061
932.917	0.335515	0.001749
933.399	0.107896	0.001044
933.881	0.152035	0.000439
934.363	0.149671	0.00153
934.845	0.0548116	0.001173
935.328	0.0682848	0.001025
935.81	0.0848891	0.000908
936.292	0.0196273	0.000529
936.774	0.0250041	0.000721
937.256	0.035921	0.001586
937.738	0.0212764	0.000786
938.22	0.0134153	0.00059
938.702	0.0191139	0.000666
939.184	0.0229819	0.000772
939.667	0.0127704	0.000548
940.149	0.0128178	0.000497
940.631	0.0136812	0.000705
941.113	0.0118999	0.000718
941.595	0.0103859	0.000807
942.077	0.0098976	0.00062
942.559	0.0108568	0.000445
943.041	0.009792	0.000714
943.523	0.0097977	0.001048
944.006	0.0110253	0.001116
944.488	0.0129281	0.00072
944.97	0.0216694	0.000905

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0207893	0.000649
945.934	0.0221615	0.000526
946.416	0.0251324	0.00088
946.898	0.0253847	0.000801
947.38	0.047561	0.000459
947.863	0.111555	0.001175
948.345	0.103635	0.000622
948.827	0.033814	0.000403
949.309	0.0469549	0.000522
949.791	0.0294438	0.000867
950.273	0.0302801	0.000814
950.755	0.0362318	0.000407
951.237	0.0909514	0.001371
951.719	0.18713	0.001464
952.202	0.0297512	0.000474
952.684	0.0173403	0.000608
953.166	0.0192931	0.000543
953.648	0.0155912	0.000433
954.13	0.0199457	0.000497
954.612	0.0215881	0.000966
955.094	0.0210731	0.000776
955.576	0.0271087	0.000736
956.058	0.0383422	0.000659
956.541	0.0294055	0.000424
957.023	0.0339597	0.000772
957.505	0.0572158	0.001406
957.987	0.0583123	0.001005
958.469	0.0445766	0.000895
958.951	0.0677069	0.001141
959.433	0.100538	0.000874
959.915	0.0870381	0.000509
960.398	0.111052	0.001034
960.88	0.196181	0.001139
961.362	0.147149	0.000775
961.844	0.245593	0.001771
962.326	0.265421	0.001191
962.808	0.244153	0.000908
963.29	0.413851	0.001926
963.772	0.377958	0.001427
964.254	0.563834	0.002397
964.737	0.558641	0.002404
965.219	0.846341	0.003439
965.701	0.653337	0.003033
966.183	0.86951	0.004657
966.665	0.805528	0.002335

Ammonia

1.267 Mole %

A01NH3
D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.714861	0.003739
967.629	0.426134	0.001544
968.111	0.121129	0.000647
968.594	0.0334611	0.000871
969.076	0.0189725	0.000693
969.558	0.0137243	0.000257
970.04	0.0136603	0.000719
970.522	0.015111	0.00062
971.004	0.0308969	0.000964
971.486	0.0806325	0.00079
971.968	0.0827281	0.001008
972.45	0.0099199	0.000681
972.933	0.0054179	0.000908
973.415	0.0042267	0.000662
973.897	0.0023944	0.000705
974.379	0.0024698	0.000581
974.861	0.0024953	0.000776
975.343	0.0028543	0.000409
975.825	0.0039124	0.000461
976.307	0.0016553	0.000541
976.79	0.0024347	0.00052
977.272	0.0042137	0.000432
977.754	0.0029135	0.000732
978.236	0.0020344	0.000919
978.718	0.0018823	0.000677
979.2	0.003851	0.000604
979.682	0.0042011	0.000532
980.164	0.0038222	0.000621
980.646	0.0030044	0.000409
981.129	0.0039663	0.000636
981.611	0.0054704	0.000481
982.093	0.0059962	0.000298
982.575	0.0039593	0.000657
983.057	0.0043755	0.000589
983.539	0.0040047	0.00067
984.021	0.0057765	0.000505
984.503	0.0049869	0.000727
984.986	0.0042215	0.000844
985.468	0.0064656	0.000751
985.95	0.0063682	0.000854
986.432	0.0066259	0.000826
986.914	0.0092121	0.000739
987.396	0.0145438	0.000522
987.878	0.0141485	0.000542
988.36	0.0136135	0.000437

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0123606	0.000714
989.325	0.01484	0.000642
989.807	0.0192857	0.000262
990.289	0.0267943	0.000792
990.771	0.0489902	0.000554
991.253	0.113385	0.000286
991.735	0.225597	0.000769
992.217	0.332204	0.002275
992.699	0.289085	0.001906
993.181	0.0324047	0.000615
993.664	0.0132624	0.000542
994.146	0.0068649	0.000636
994.628	0.0041328	0.000433
995.11	0.0059193	0.000426
995.592	0.00519	0.000401
996.074	0.0049603	0.00077
996.556	0.0059734	0.000654
997.038	0.0053567	0.000549
997.521	0.0065833	0.000565
998.003	0.0061823	0.000697
998.485	0.0037212	0.00062
998.967	0.0048629	0.000929
999.449	0.0056414	0.00093
999.931	0.0069198	0.000846
1000.41	0.0057559	0.000804
1000.89	0.0053297	0.000349
1001.37	0.0084135	0.000518
1001.86	0.0089532	0.000633
1002.34	0.0087246	0.00081
1002.82	0.0085749	0.000603
1003.3	0.0114059	0.000456
1003.78	0.0131313	0.000679
1004.27	0.0119664	0.0004
1004.75	0.0146361	0.000509
1005.23	0.0198596	0.000847
1005.71	0.0279466	0.000608
1006.19	0.0410617	0.000909
1006.68	0.0927857	0.000915
1007.16	0.24156	0.000541
1007.64	0.198155	0.001319
1008.12	0.0314772	0.000624
1008.6	0.0197601	0.000712
1009.09	0.0195373	0.000656
1009.57	0.0222397	0.000671
1010.05	0.0381222	0.000771

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0951194	0.000752
1011.02	0.225066	0.001234
1011.5	0.0729289	0.000557
1011.98	0.121545	0.000961
1012.46	0.222311	0.001617
1012.94	0.183295	0.00148
1013.43	0.0405088	0.000665
1013.91	0.0095772	0.000855
1014.39	0.0054619	0.000711
1014.87	0.0041439	0.000613
1015.35	0.0067099	0.000531
1015.84	0.0062369	0.000623
1016.32	0.0054713	0.000682
1016.8	0.0045731	0.000744
1017.28	0.005841	0.000406
1017.77	0.003724	0.000532
1018.25	0.0039729	0.000977
1018.73	0.0026634	0.000877
1019.21	0.0030342	0.00063
1019.69	0.0047968	0.000749
1020.18	0.0059713	0.000751
1020.66	0.0052289	0.000656
1021.14	0.0080622	0.000974
1021.62	0.0109117	0.000401
1022.1	0.0123329	0.000527
1022.59	0.0175964	0.000985
1023.07	0.0129606	0.000614
1023.55	0.0103146	0.00055
1024.03	0.0130754	0.00051
1024.52	0.0162553	0.000357
1025	0.0176158	0.000622
1025.48	0.0214389	0.000949
1025.96	0.0474223	0.00068
1026.44	0.125137	0.001002
1026.93	0.271176	0.001626
1027.41	0.032832	0.000744
1027.89	0.0176241	0.000495
1028.37	0.0157604	0.000864
1028.85	0.017377	0.000388
1029.34	0.0288999	0.000648
1029.82	0.0631747	0.000614
1030.3	0.120785	0.001183
1030.78	0.039157	0.001032
1031.26	0.0790174	0.000515
1031.75	0.187357	0.00132

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.195338	0.001284
1032.71	0.120028	0.001218
1033.19	0.285127	0.001516
1033.67	0.254622	0.001137
1034.16	0.335696	0.002409
1034.64	0.0369009	0.000567
1035.12	0.0131286	0.000684
1035.6	0.0071731	0.000366
1036.08	0.0076869	0.001122
1036.57	0.0061215	0.000703
1037.05	0.0065011	0.000555
1037.53	0.0082386	0.000894
1038.01	0.0059238	0.000512
1038.49	0.0075379	0.000524
1038.98	0.0076229	0.000748
1039.46	0.0107235	0.00067
1039.94	0.0073418	0.001135
1040.42	0.0093694	0.001218
1040.9	0.0146401	0.000834
1041.39	0.0091962	0.00059
1041.87	0.007933	0.001168
1042.35	0.0111806	0.000871
1042.83	0.0164613	0.001
1043.32	0.0169119	0.00041
1043.8	0.021305	0.000361
1044.28	0.0290844	0.001328
1044.76	0.0420934	0.000855
1045.24	0.0872498	0.000583
1045.73	0.22857	0.001018
1046.21	0.507093	0.001733
1046.69	0.128727	0.00103
1047.17	0.0345753	0.001067
1047.65	0.0213527	0.000792
1048.14	0.0190142	0.001063
1048.62	0.0366444	0.000798
1049.1	0.0749824	0.000579
1049.58	0.0278654	0.000628
1050.06	0.0185477	0.000886
1050.55	0.0338649	0.001257
1051.03	0.0724359	0.000791
1051.51	0.114407	0.000681
1051.99	0.0469625	0.000722
1052.47	0.104336	0.000574
1052.96	0.240703	0.001194
1053.44	0.0742785	0.00092

Ammonia

1.267 Mole %

A01NH3
D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.124656	0.001084
1054.4	0.130476	0.001206
1054.88	0.144555	0.001652
1055.37	0.0182309	0.000537
1055.85	0.0097275	0.001073
1056.33	0.0071982	0.000552
1056.81	0.0076257	0.000771
1057.29	0.0063558	0.000588
1057.78	0.0052853	0.000492
1058.26	0.0084031	0.000785
1058.74	0.0100687	0.000685
1059.22	0.0069895	0.000461
1059.71	0.007205	0.001083
1060.19	0.0097299	0.001059
1060.67	0.0072144	0.000829
1061.15	0.0080769	0.001653
1061.63	0.0109462	0.00085
1062.12	0.0100589	0.000468
1062.6	0.0138496	0.000535
1063.08	0.0183805	0.000807
1063.56	0.0259815	0.000689
1064.04	0.0367585	0.001199
1064.53	0.0822772	0.000994
1065.01	0.217906	0.00177
1065.49	0.404515	0.002403
1065.97	0.0617879	0.000692
1066.45	0.0225772	0.00102
1066.94	0.0270244	0.000584
1067.42	0.0524662	0.001531
1067.9	0.10376	0.0013
1068.38	0.0163384	0.000822
1068.86	0.0115343	0.000765
1069.35	0.0172441	0.000387
1069.83	0.0365928	0.000668
1070.31	0.0728681	0.000969
1070.79	0.0376718	0.000589
1071.27	0.022468	0.000786
1071.76	0.0388095	0.001067
1072.24	0.0708617	0.00094
1072.72	0.073952	0.000694
1073.2	0.0523657	0.000465
1073.68	0.108875	0.000493
1074.17	0.172173	0.00214
1074.65	0.0812162	0.0008
1075.13	0.183721	0.001595

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.183873	0.000768
1076.09	0.120224	0.000416
1076.58	0.0149488	0.00036
1077.06	0.0092951	0.000872
1077.54	0.0057819	0.000759
1078.02	0.0063865	0.000613
1078.51	0.008609	0.000674
1078.99	0.0113391	0.000642
1079.47	0.0103703	0.000521
1079.95	0.0095925	0.000822
1080.43	0.0092046	0.000716
1080.92	0.0103694	0.001073
1081.4	0.0102969	0.000845
1081.88	0.01677	0.001044
1082.36	0.0237998	0.001125
1082.84	0.0305944	0.000997
1083.33	0.0615039	0.001085
1083.81	0.160951	0.001214
1084.29	0.396972	0.001635
1084.77	0.198423	0.001584
1085.25	0.0455659	0.000813
1085.74	0.036154	0.00029
1086.22	0.0463314	0.000608
1086.7	0.0114574	0.00059
1087.18	0.0110733	0.00073
1087.66	0.0113311	0.000615
1088.15	0.017198	0.000743
1088.63	0.0415472	0.001018
1089.11	0.0866884	0.000696
1089.59	0.0283226	0.000894
1090.07	0.0116266	0.000517
1090.56	0.0133291	0.000776
1091.04	0.0289491	0.001311
1091.52	0.0537563	0.000715
1092	0.0270961	0.000495
1092.48	0.0188371	0.00121
1092.97	0.0329673	0.000833
1093.45	0.0641983	0.00075
1093.93	0.0357833	0.000741
1094.41	0.054438	0.000967
1094.9	0.118699	0.001249
1095.38	0.0480811	0.001119
1095.86	0.0775667	0.001343
1096.34	0.0556034	0.000749
1096.82	0.0339112	0.000421

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.011063	0.00035
1097.79	0.0113677	0.000939
1098.27	0.0099575	0.000987
1098.75	0.0085928	0.000508
1099.23	0.0086797	0.001312
1099.72	0.0091218	0.000719
1100.2	0.008613	0.000367
1100.68	0.0124791	0.000873
1101.16	0.0153665	0.001122
1101.64	0.0211577	0.000759
1102.13	0.0389038	0.000762
1102.61	0.109266	0.001068
1103.09	0.275046	0.001933
1103.57	0.197239	0.001474
1104.05	0.048968	0.000757
1104.54	0.0209045	0.000847
1105.02	0.0127008	0.000772
1105.5	0.0093838	0.000962
1105.98	0.0107391	0.000659
1106.46	0.0079582	0.000598
1106.95	0.0104448	0.000433
1107.43	0.0242149	0.000496
1107.91	0.0258633	0.00089
1108.39	0.0071033	0.001212
1108.87	0.0060057	0.001101
1109.36	0.0084165	0.00115
1109.84	0.0202461	0.000749
1110.32	0.0460324	0.000583
1110.8	0.0403503	0.000611
1111.28	0.0122107	0.000498
1111.77	0.0131153	0.000834
1112.25	0.0218744	0.001173
1112.73	0.0417593	0.000505
1113.21	0.013159	0.001066
1113.7	0.0131334	0.000652
1114.18	0.0240842	0.000688
1114.66	0.0462438	0.000881
1115.14	0.0234775	0.000862
1115.62	0.0460526	0.00083
1116.11	0.060774	0.00098
1116.59	0.0500026	0.000654
1117.07	0.0690974	0.000607
1117.55	0.0981163	0.001284
1118.03	0.0106021	0.000972
1118.52	0.0094169	0.000827

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0084226	0.000606
1119.48	0.0106323	0.000853
1119.96	0.0152185	0.00075
1120.44	0.0212339	0.000848
1120.93	0.0462105	0.000639
1121.41	0.129419	0.000803
1121.89	0.314171	0.001379
1122.37	0.0836919	0.001026
1122.85	0.0185577	0.00121
1123.34	0.0115266	0.000878
1123.82	0.0087011	0.00059
1124.3	0.0068763	0.000528
1124.78	0.0081409	0.000874
1125.26	0.0124271	0.000365
1125.75	0.0193566	0.000921
1126.23	0.0091846	0.000648
1126.71	0.0040998	0.000392
1127.19	0.0040686	0.000278
1127.67	0.0049178	0.000487
1128.16	0.0066382	0.000564
1128.64	0.0108923	0.000587
1129.12	0.0233408	0.001113
1129.6	0.0049003	0.000756
1130.09	0.0052912	0.001209
1130.57	0.0078453	0.000711
1131.05	0.0163158	0.000598
1131.53	0.03174	0.000615
1132.01	0.0210587	0.001032
1132.5	0.0075583	0.000834
1132.98	0.0090045	0.000631
1133.46	0.0144189	0.000411
1133.94	0.021605	0.000622
1134.42	0.0078197	0.000632
1134.91	0.0142278	0.000756
1135.39	0.0267561	0.000853
1135.87	0.015001	0.00106
1136.35	0.0244546	0.000648
1136.83	0.034619	0.000766
1137.32	0.0263048	0.000523
1137.8	0.0260031	0.00068
1138.28	0.0149862	0.000801
1138.76	0.0182449	0.000733
1139.24	0.0309192	0.000394
1139.73	0.0623734	0.001395
1140.21	0.143606	0.000951

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.149124	0.001218
1141.17	0.017525	0.000241
1141.65	0.0090001	0.000582
1142.14	0.004245	0.000543
1142.62	0.0026758	0.000755
1143.1	0.0095174	0.000674
1143.58	0.0152358	0.000825
1144.06	0.0124431	0.000445
1144.55	0.0049542	0.000577
1145.03	0.0041672	0.000892
1145.51	0.0031458	0.000383
1145.99	0.0048292	0.000751
1146.48	0.0048376	0.000564
1146.96	0.0084998	0.000654
1147.44	0.0148568	0.00067
1147.92	0.0044629	0.000444
1148.4	0.0041874	0.000564
1148.89	0.0029182	0.000737
1149.37	0.0045623	0.000939
1149.85	0.005941	0.000857
1150.33	0.0128483	0.000667
1150.81	0.0030086	0.000922
1151.3	0.0033559	0.000473
1151.78	0.0050963	0.000258
1152.26	0.0125438	0.000726
1152.74	0.0232157	0.000698
1153.22	0.0061541	0.00075
1153.71	0.0068241	0.000687
1154.19	0.0089814	0.000874
1154.67	0.0138066	0.000628
1155.15	0.0076276	0.000474
1155.63	0.0098887	0.000443
1156.12	0.0183469	0.00094
1156.6	0.0170189	0.000716
1157.08	0.0251065	0.000625
1157.56	0.0222044	0.000695
1158.04	0.0625117	0.000784
1158.53	0.134559	0.000635
1159.01	0.135007	0.001081
1159.49	0.0126976	0.000531
1159.97	0.0065661	0.000608
1160.45	0.0047537	0.000836
1160.94	0.0053584	0.00046
1161.42	0.0066419	0.00073
1161.9	0.0030424	0.000672

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0007961	0.000562
1162.86	0.0010443	0.000681
1163.35	0.0003033	0.00086
1163.83	0.0014475	0.000868
1164.31	0.0025782	0.000664
1164.79	0.0060411	0.000363
1165.28	0.0108618	0.000485
1165.76	0.0039193	0.000336
1166.24	0.0023534	0.000283
1166.72	0.0038015	0.000381
1167.2	0.003681	0.000421
1167.69	0.0031052	0.000557
1168.17	0.0056234	0.000712
1168.65	0.0061618	0.00071
1169.13	0.0020337	0.000805
1169.61	0.0014408	0.000854
1170.1	0.0017435	0.001427
1170.58	0.0024261	0.00085
1171.06	0.0052458	0.000655
1171.54	0.0044172	0.000515
1172.02	0.0029673	0.000335
1172.51	0.0056798	0.000233
1172.99	0.009687	0.000393
1173.47	0.0144878	0.000443
1173.95	0.0059913	0.000418
1174.43	0.0090835	0.000431
1174.92	0.00799	0.000589
1175.4	0.0090383	0.00032
1175.88	0.0167832	0.000572
1176.36	0.0446508	0.000675
1176.84	0.0960152	0.000737
1177.33	0.0263901	0.001438
1177.81	0.0067613	0.00049
1178.29	0.0092663	0.000365
1178.77	0.0065903	0.000793
1179.25	0.0033724	0.000452
1179.74	0.0038528	0.000822
1180.22	0.0026	0.000632
1180.7	0.0034665	0.000377
1181.18	0.0023943	0.000417
1181.67	0.0028813	0.000557
1182.15	0.0023289	0.000382
1182.63	0.0022867	0.000481
1183.11	0.0040976	0.000627
1183.59	0.0001193	0.000447

Ammonia

1.267 Mole %

A01NH3

D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0013347	0.000612
1184.56	0.0016193	0.000882
1185.04	0.0026066	0.00059
1185.52	0.0017818	0.000445
1186	0.0039693	0.000325
1186.49	0.0069242	0.000356
1186.97	0.0047561	0.000466
1187.45	0.0032912	0.000728
1187.93	0.0036446	0.000624
1188.41	0.0027641	0.000443
1188.9	0.0036166	0.000486
1189.38	0.0047845	0.000495
1189.86	0.0036725	0.00047
1190.34	0.0015153	0.000845
1190.82	0.0025842	0.000856
1191.31	0.0018585	0.000806
1191.79	0.0033963	0.000577
1192.27	0.0032926	0.0005
1192.75	0.0039814	0.000412
1193.23	0.0050647	0.000312
1193.72	0.0096054	0.000557
1194.2	0.0210505	0.000742
1194.68	0.0441508	0.000514
1195.16	0.0314769	0.000458
1195.64	0.0079914	0.000297
1196.13	0.0042669	0.000338
1196.61	0.0031774	0.000443
1197.09	0.0025679	0.000561
1197.57	0.0054856	0.000789
1198.06	0.0044628	0.000616
1198.54	0.0043552	0.000737
1199.02	0.000756	0.000361
1199.5	0.0020137	0.000658
1199.98	0.0020447	0.000593
1200.47	0.0023799	0.000315
1200.95	0.0037778	0.000544
1201.43	0.0030129	0.000422
1201.91	0.0024508	0.000452
1202.39	0.0019192	0.000513
1202.88	0.0022123	0.000464
1203.36	0.0015405	0.000538
1203.84	0.0022464	0.000631
1204.32	0.0020406	0.000606
1204.8	0.0009957	0.000908
1205.29	0.0013414	0.000694

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0023814	0.000677
1206.25	0.0020599	0.000469
1206.73	0.0019494	0.00047
1207.21	0.0030485	0.000308
1207.7	0.0035245	0.000514
1208.18	0.0034635	0.000796
1208.66	0.0033102	0.000443
1209.14	0.0026007	0.000355
1209.62	0.002856	0.000529
1210.11	0.0040913	0.000413
1210.59	0.0024333	0.00059
1211.07	0.0037119	0.000867
1211.55	0.0056163	0.000552
1212.03	0.0125725	0.00067
1212.52	0.0207812	0.000591
1213	0.008403	0.000277
1213.48	0.0058148	0.000373
1213.96	0.0037604	0.000468
1214.45	0.0028833	0.000438
1214.93	0.001836	0.000442
1215.41	0.0036397	0.000317
1215.89	0.0021047	0.000297
1216.37	0.0035034	0.000665
1216.86	0.0027088	0.000479
1217.34	0.003982	0.000779
1217.82	0.002731	0.000509
1218.3	0.0016155	0.000537
1218.78	0.0013415	0.000543
1219.27	0.0020762	0.000555
1219.75	0.0015348	0.00033
1220.23	0.0022477	0.000244
1220.71	0.0028699	0.000336
1221.19	0.0033236	0.000629
1221.68	0.0024766	0.000371
1222.16	0.0017993	0.000168
1222.64	0.0029769	0.000425
1223.12	0.0010885	0.000494
1223.6	0.0011716	0.000244
1224.09	0.0016602	0.000422
1224.57	0.0031269	0.000742
1225.05	0.0031514	0.000643
1225.53	0.0013271	0.000605
1226.01	0.0012989	0.000579
1226.5	0.0023214	0.000484
1226.98	0.0025284	0.000242

Ammonia

1.267 Mole %

A01NH3

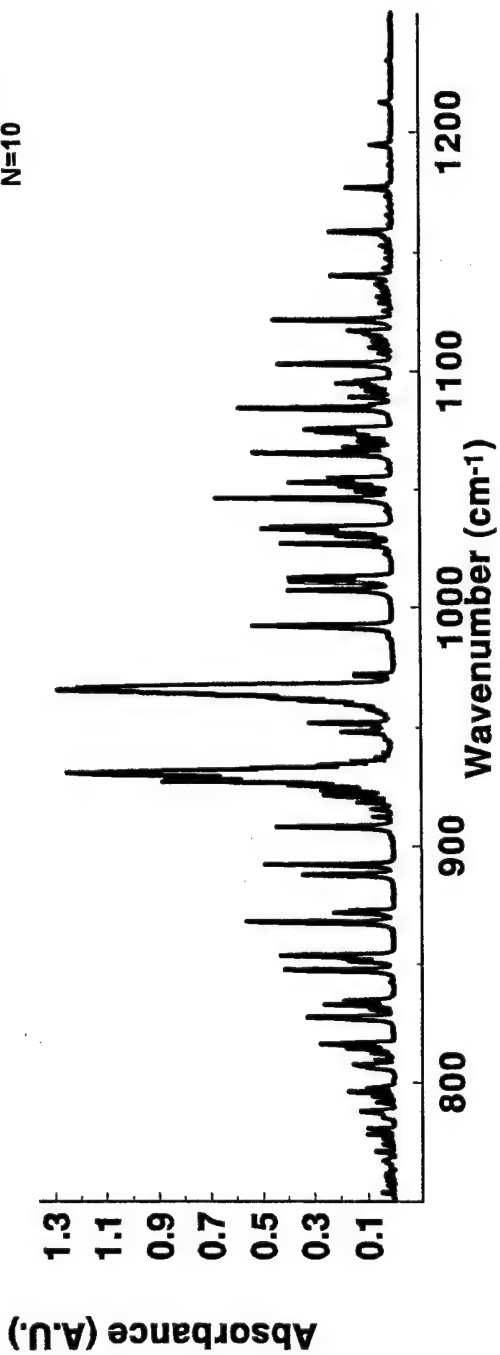
D01NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0016725	0.00045
1227.94	0.0022166	0.000415
1228.42	0.0034046	0.000424
1228.91	0.0035151	0.000251
1229.39	0.0045193	0.000322
1229.87	0.0093998	0.000376
1230.35	0.0087416	0.000413
1230.83	0.0024657	0.000697
1231.32	0.0018293	0.000367
1231.8	0.0022591	0.000744
1232.28	0.0012555	0.000616
1232.76	0.001107	0.000471
1233.25	0.001488	0.000418
1233.73	0.0027498	0.000522
1234.21	0.0019105	0.000311
1234.69	0.0030604	0.000356
1235.17	0.0028603	0.000484
1235.66	0.0017485	0.000415
1236.14	0.0023204	0.000516
1236.62	0.0025245	0.000247
1237.1	0.0026827	0.000271
1237.58	0.0010046	0.000378
1238.07	0.0007661	0.000502
1238.55	0.0008973	0.00063
1239.03	0.0020595	0.000701
1239.51	0.001168	0.000638
1239.99	0.0023474	0.000436
1240.48	0.0012724	0.000342
1240.96	0.0014955	0.00032
1241.44	0.002883	0.000252
1241.92	0.0019882	0.000632
1242.4	0.0030232	0.00074
1242.89	0.0022525	0.000329
1243.37	0.0021449	0.000405
1243.85	0.0033679	0.000262
1244.33	0.001434	0.000517
1244.81	0.0016054	0.000496
1245.3	0.0004176	0.000553
1245.78	0.0014994	0.000455
1246.26	0.0006995	0.000791
1246.74	0.002253	0.000777
1247.22	0.003915	0.000347
1247.71	0.0030844	0.000389
1248.19	0.0031332	0.000365
1248.67	0.0028437	0.000729

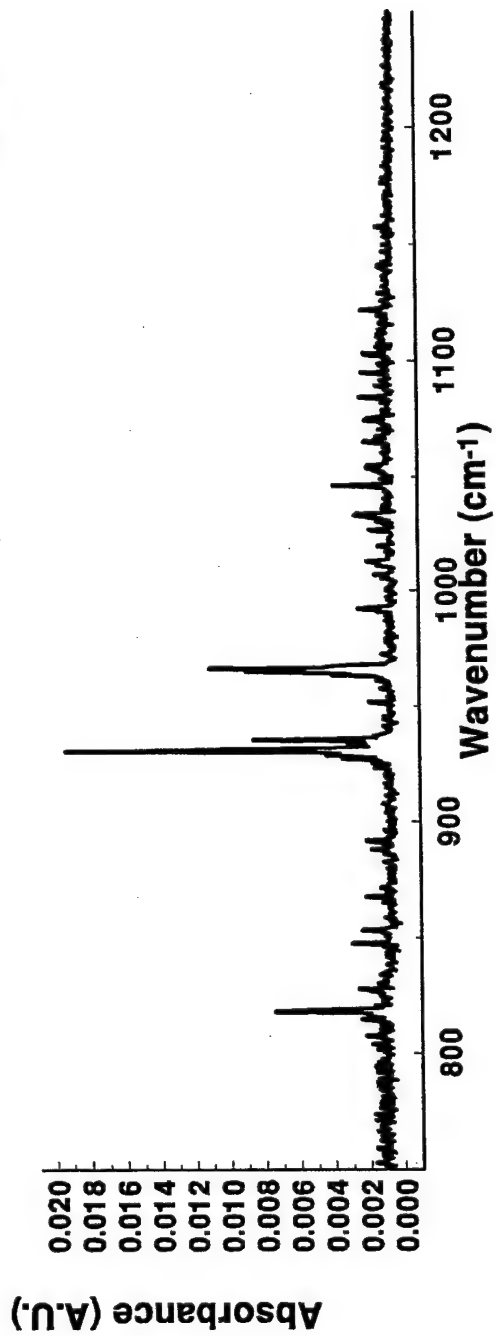
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0022291	0.000493
1249.63	0.0016399	0.000481
1250.12	0.0017832	0.000343

2.600 Mole %

**A2RNH3
N=10**



D2RNH3



Ammonia

2.600 Mole %

A2RNH3
D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0029537	0.001016
750.677	0.0012987	0.001162
751.159	0.0039522	0.000625
751.641	0.0074233	0.001095
752.123	0.0042387	0.001036
752.605	0.0068126	0.001641
753.087	0.017657	0.00111
753.57	0.0472562	0.001197
754.052	0.004639	0.001106
754.534	0.0034344	0.00078
755.016	0.0061715	0.000974
755.498	0.0177559	0.001299
755.98	0.0084322	0.0009
756.462	0.0269902	0.001317
756.944	0.0032288	0.000635
757.426	0.0020543	0.000732
757.909	0.0055549	0.001318
758.391	0.0187062	0.00129
758.873	0.0314748	0.001612
759.355	0.005968	0.000868
759.837	0.0114878	0.001163
760.319	0.0333559	0.000895
760.801	0.0350544	0.001068
761.283	0.0119185	0.001092
761.766	0.0300174	0.000705
762.248	0.0123564	0.001398
762.73	0.0180179	0.001164
763.212	0.0031297	0.000993
763.694	0.0113202	0.000889
764.176	0.0171155	0.00135
764.658	0.018554	0.000704
765.14	0.0141423	0.001342
765.622	0.0213612	0.001095
766.105	0.0326073	0.001551
766.587	0.0254297	0.001393
767.069	0.0412568	0.000943
767.551	0.0309889	0.001378
768.033	0.025215	0.001346
768.515	0.0044531	0.001384
768.997	0.0031905	0.00119
769.479	0.0060689	0.000872
769.961	0.0127027	0.000677
770.444	0.0329524	0.001229
770.926	0.0698115	0.001656
771.408	0.0085982	0.001003

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0068438	0.00099
772.372	0.0121742	0.000713
772.854	0.0070529	0.001133
773.336	0.0156078	0.001695
773.818	0.0430991	0.001323
774.301	0.009392	0.000743
774.783	0.0131956	0.000691
775.265	0.0109554	0.000565
775.747	0.0143809	0.001189
776.229	0.0429632	0.001398
776.711	0.0162714	0.000999
777.193	0.0123764	0.000735
777.675	0.0307861	0.000889
778.157	0.0989425	0.00136
778.64	0.0152831	0.000742
779.122	0.0300813	0.001326
779.604	0.0710238	0.001142
780.086	0.0771885	0.000786
780.568	0.0966253	0.000669
781.05	0.0095869	0.001297
781.532	0.0046915	0.000761
782.014	0.003569	0.000785
782.497	0.0060945	0.000842
782.979	0.0047398	0.000923
783.461	0.0053239	0.001024
783.943	0.0058419	0.001417
784.425	0.0155129	0.000823
784.907	0.0343069	0.00077
785.389	0.0468874	0.001025
785.871	0.0449344	0.00153
786.353	0.0464198	0.001122
786.836	0.0528467	0.000896
787.318	0.0874691	0.001555
787.8	0.123657	0.001121
788.282	0.0901015	0.000491
788.764	0.0228371	0.001422
789.246	0.0067746	0.001258
789.728	0.0053053	0.000883
790.21	0.0084849	0.000798
790.692	0.0100498	0.000975
791.175	0.0261806	0.000878
791.657	0.0686439	0.001545
792.139	0.0087543	0.000743
792.621	0.006699	0.001019
793.103	0.0092634	0.000895

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0259689	0.001573
794.067	0.0828869	0.001676
794.549	0.0168016	0.00083
795.032	0.0181921	0.000812
795.514	0.0586487	0.001023
795.996	0.167363	0.001542
796.478	0.024043	0.000998
796.96	0.0447856	0.001133
797.442	0.103213	0.001318
797.924	0.0672114	0.000929
798.406	0.0347657	0.000892
798.888	0.0131769	0.000966
799.371	0.0068828	0.000693
799.853	0.0055779	0.000877
800.335	0.0058574	0.001147
800.817	0.0065397	0.000946
801.299	0.0048821	0.001284
801.781	0.0029558	0.00153
802.263	0.0020705	0.000695
802.745	0.0031721	0.001062
803.227	0.0028532	0.000925
803.71	0.0056975	0.001097
804.192	0.0087268	0.00182
804.674	0.0101591	0.000979
805.156	0.0225956	0.001029
805.638	0.0632537	0.000751
806.12	0.104728	0.001164
806.602	0.0903919	0.001376
807.084	0.127551	0.00115
807.567	0.150339	0.002182
808.049	0.0281429	0.001367
808.531	0.0140329	0.001444
809.013	0.0272285	0.000929
809.495	0.0709563	0.000889
809.977	0.0224809	0.000714
810.459	0.0119094	0.001374
810.941	0.0127703	0.000981
811.423	0.0208471	0.001108
811.906	0.062811	0.000759
812.388	0.0849986	0.001358
812.87	0.0282143	0.000805
813.352	0.0408166	0.001081
813.834	0.12462	0.001504
814.316	0.177064	0.001431
814.798	0.0559147	0.002444

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.120286	0.001203
815.762	0.134199	0.001797
816.245	0.274967	0.001917
816.727	0.17946	0.002137
817.209	0.0244647	0.00195
817.691	0.0063766	0.002542
818.173	0.006217	0.0074
818.655	0.0045428	0.006228
819.137	0.0089226	0.003535
819.619	0.008192	0.001683
820.102	0.0036284	0.001298
820.584	0.0066922	0.00166
821.066	0.0066655	0.000821
821.548	0.0067703	0.001181
822.03	0.0080307	0.001026
822.512	0.0101929	0.001248
822.994	0.0074027	0.001165
823.476	0.0067366	0.001179
823.959	0.0083888	0.000865
824.441	0.0117572	0.001296
824.923	0.0126415	0.001354
825.405	0.0236588	0.001299
825.887	0.0520369	0.001185
826.369	0.15089	0.001309
826.851	0.190231	0.001912
827.333	0.324042	0.00135
827.816	0.256664	0.00257
828.298	0.0270093	0.000739
828.78	0.0183954	0.001419
829.262	0.0170678	0.001148
829.744	0.0200379	0.001044
830.226	0.0580846	0.001451
830.708	0.0908299	0.001321
831.19	0.0248909	0.000968
831.672	0.0432945	0.001172
832.155	0.126409	0.001067
832.637	0.257765	0.001055
833.119	0.0588694	0.000875
833.601	0.111397	0.000786
834.083	0.187591	0.001339
834.565	0.165594	0.001197
835.047	0.0595414	0.001119
835.529	0.0194938	0.001
836.011	0.0134225	0.000546
836.494	0.0082835	0.000667

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0070858	0.000781
837.458	0.0056526	0.000711
837.94	0.0066213	0.000779
838.422	0.0042024	0.000973
838.904	0.0033075	0.000759
839.386	0.0030419	0.000462
839.868	0.0036668	0.00065
840.351	0.0053609	0.00071
840.833	0.0042985	0.000661
841.315	0.004524	0.000934
841.797	0.0096217	0.000655
842.279	0.0155579	0.000999
842.761	0.0094489	0.000624
843.243	0.0072501	0.000699
843.725	0.010794	0.001002
844.207	0.0081655	0.000315
844.69	0.0097624	0.000509
845.172	0.0145829	0.000592
845.654	0.0260699	0.000802
846.136	0.0407376	0.001194
846.618	0.101709	0.000438
847.1	0.302036	0.001008
847.582	0.413215	0.002929
848.064	0.0771286	0.001416
848.546	0.0272369	0.000902
849.029	0.0214558	0.000948
849.511	0.0215806	0.00088
849.993	0.02998	0.000861
850.475	0.0596672	0.001026
850.957	0.164586	0.000987
851.439	0.172438	0.001052
851.921	0.0867016	0.000853
852.403	0.193199	0.001298
852.886	0.222329	0.00132
853.368	0.428123	0.002351
853.85	0.32642	0.001197
854.332	0.0482787	0.000783
854.814	0.020534	0.0005
855.296	0.0117453	0.000652
855.778	0.0087655	0.000714
856.26	0.0056753	0.000224
856.742	0.0048639	0.000556
857.225	0.0049728	0.000561
857.707	0.0038266	0.000812
858.189	0.0043775	0.000524

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0031373	0.001033
859.153	0.003739	0.000638
859.635	0.0035533	0.000785
860.117	0.004255	0.000708
860.599	0.0051819	0.000778
861.081	0.0033387	0.000541
861.564	0.006069	0.000718
862.046	0.0068268	0.000699
862.528	0.0081435	0.000674
863.01	0.0078353	0.000827
863.492	0.0054603	0.000838
863.974	0.0064074	0.000613
864.456	0.00742	0.000516
864.938	0.0126164	0.000619
865.421	0.023194	0.001164
865.903	0.0290734	0.000585
866.385	0.050333	0.000567
866.867	0.123235	0.00088
867.349	0.402524	0.001276
867.831	0.561017	0.002124
868.313	0.102858	0.000856
868.795	0.0387177	0.00066
869.277	0.0193808	0.000663
869.76	0.0172327	0.000946
870.242	0.0215034	0.000523
870.724	0.0337709	0.00061
871.206	0.0890188	0.000705
871.688	0.2212	0.001254
872.17	0.149114	0.000863
872.652	0.162839	0.000904
873.134	0.0221726	0.00089
873.617	0.0089876	0.000515
874.099	0.0054475	0.000497
874.581	0.0047506	0.000761
875.063	0.004224	0.000508
875.545	0.0034384	0.000817
876.027	0.0031653	0.000692
876.509	0.004296	0.000592
876.991	0.0037243	0.000721
877.474	0.0036479	0.000839
877.956	0.0055794	0.000535
878.438	0.0035621	0.000615
878.92	0.0044205	0.000759
879.402	0.0023506	0.0005
879.884	0.002593	0.000877

Ammonia

2.600 Mole %

A2RNH3
D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0035258	0.000584
880.848	0.0026313	0.000526
881.33	0.0032156	0.000629
881.813	0.0035338	0.00081
882.295	0.0048637	0.000701
882.777	0.0073832	0.001069
883.259	0.00515	0.000731
883.741	0.0054117	0.000383
884.223	0.0070572	0.00046
884.705	0.008274	0.000477
885.187	0.0100039	0.000504
885.669	0.0151842	0.000539
886.152	0.0259172	0.001079
886.634	0.0454194	0.001078
887.116	0.120766	0.000849
887.598	0.340922	0.001148
888.08	0.303283	0.00179
888.562	0.0458115	0.001124
889.044	0.0242627	0.000698
889.526	0.0185906	0.000651
890.009	0.0230537	0.000841
890.491	0.0329126	0.001203
890.973	0.0662361	0.000691
891.455	0.204968	0.001492
891.937	0.488717	0.002094
892.419	0.113258	0.0009
892.901	0.029958	0.00079
893.383	0.0132321	0.000861
893.865	0.0076738	0.000564
894.348	0.0055394	0.000625
894.83	0.0047668	0.000565
895.312	0.0041156	0.000452
895.794	0.0049724	0.000782
896.276	0.002723	0.001015
896.758	0.0030411	0.00049
897.24	0.0038589	0.000707
897.722	0.0028149	0.000583
898.204	0.0027499	0.000761
898.687	0.0052943	0.000523
899.169	0.0049455	0.000656
899.651	0.0044997	0.000491
900.133	0.0067566	0.00085
900.615	0.0073185	0.000596
901.097	0.0041127	0.000434
901.579	0.0046887	0.000489

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0058394	0.000599
902.544	0.0076063	0.000748
903.026	0.0104736	0.000702
903.508	0.0072722	0.000614
903.99	0.0091766	0.000939
904.472	0.01592	0.000572
904.954	0.0156511	0.000893
905.436	0.0164942	0.000546
905.918	0.0229984	0.000476
906.4	0.0342044	0.00088
906.883	0.0553879	0.000858
907.365	0.147417	0.000883
907.847	0.441991	0.001071
908.329	0.279224	0.000822
908.811	0.0679051	0.000713
909.293	0.0270741	0.000763
909.775	0.017816	0.000488
910.257	0.0131395	0.000668
910.739	0.0132231	0.000596
911.222	0.0146442	0.000931
911.704	0.0314796	0.000614
912.186	0.0752776	0.000367
912.668	0.0208206	0.000709
913.15	0.0162187	0.000486
913.632	0.0124128	0.000595
914.114	0.0123368	0.000606
914.596	0.0193728	0.000912
915.079	0.0386567	0.000827
915.561	0.0843811	0.000936
916.043	0.0276033	0.000649
916.525	0.0291422	0.000996
917.007	0.020104	0.000777
917.489	0.0290424	0.000625
917.971	0.0574905	0.000672
918.453	0.136492	0.00062
918.935	0.0480842	0.000908
919.418	0.0399559	0.000893
919.9	0.0422028	0.000963
920.382	0.0839658	0.000576
920.864	0.214732	0.000985
921.346	0.258068	0.00079
921.828	0.0990408	0.000737
922.31	0.0637334	0.000742
922.792	0.111595	0.000902
923.275	0.270474	0.001574

Ammonia

2.600 Mole %

A2RNH3
D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.250321	0.001103
924.239	0.130105	0.001119
924.721	0.136381	0.000748
925.203	0.285957	0.001722
925.685	0.397497	0.001398
926.167	0.229127	0.001239
926.649	0.355673	0.001755
927.132	0.88436	0.003432
927.614	0.587402	0.00157
928.096	0.583773	0.00263
928.578	0.87335	0.004354
929.06	0.778027	0.00438
929.542	0.663011	0.0036
930.024	1.0252	0.005438
930.506	1.18932	0.019391
930.988	1.24868	0.012907
931.471	1.08287	0.009679
931.953	0.817366	0.004469
932.435	0.525144	0.00198
932.917	0.53989	0.002524
933.399	0.213596	0.002118
933.881	0.281775	0.003115
934.363	0.263591	0.002187
934.845	0.104339	0.00278
935.328	0.132	0.008566
935.81	0.154785	0.004477
936.292	0.0378378	0.001528
936.774	0.0488991	0.001618
937.256	0.0664877	0.001382
937.738	0.0385249	0.001227
938.22	0.0214662	0.000982
938.702	0.0310612	0.000793
939.184	0.0371729	0.000719
939.667	0.0171052	0.000626
940.149	0.0171509	0.00072
940.631	0.0180987	0.000935
941.113	0.0161423	0.001038
941.595	0.0136377	0.0008
942.077	0.0129765	0.000482
942.559	0.0180825	0.000317
943.041	0.0139004	0.000755
943.523	0.0120001	0.000583
944.006	0.0174987	0.001035
944.488	0.0193686	0.000763
944.97	0.0326922	0.000739

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0317379	0.00101
945.934	0.0333948	0.000538
946.416	0.0374264	0.000744
946.898	0.040286	0.0005
947.38	0.0770464	0.0007
947.863	0.191602	0.000654
948.345	0.175132	0.000752
948.827	0.0574583	0.000687
949.309	0.0803447	0.000679
949.791	0.0485739	0.000793
950.273	0.0540412	0.000549
950.755	0.0647257	0.000771
951.237	0.158694	0.001136
951.719	0.313758	0.001839
952.202	0.055025	0.00053
952.684	0.0295866	0.000479
953.166	0.0285972	0.000526
953.648	0.0243551	0.000829
954.13	0.0319366	0.000497
954.612	0.0331002	0.000636
955.094	0.0306811	0.000703
955.576	0.0413703	0.000679
956.058	0.0632934	0.000535
956.541	0.0488083	0.000702
957.023	0.0577286	0.000762
957.505	0.0985032	0.001186
957.987	0.101629	0.000684
958.469	0.0783377	0.000691
958.951	0.119303	0.000983
959.433	0.177523	0.000949
959.915	0.154691	0.000729
960.398	0.196973	0.000777
960.88	0.355007	0.001433
961.362	0.260315	0.00121
961.844	0.432844	0.001142
962.326	0.481461	0.001475
962.808	0.439392	0.001538
963.29	0.759196	0.004017
963.772	0.679414	0.002985
964.254	0.965339	0.004487
964.737	0.973102	0.008976
965.219	1.28287	0.007951
965.701	1.09921	0.005638
966.183	1.20757	0.011084
966.665	1.07633	0.00448

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.94773	0.00421
967.629	0.62866	0.002887
968.111	0.228402	0.000908
968.594	0.0682889	0.00086
969.076	0.0396911	0.000804
969.558	0.0278085	0.000538
970.04	0.0248572	0.000409
970.522	0.0257791	0.000394
971.004	0.0568713	0.000574
971.486	0.143743	0.000691
971.968	0.141693	0.000897
972.45	0.0192749	0.001098
972.933	0.0103077	0.000625
973.415	0.0047425	0.000666
973.897	0.0029452	0.000461
974.379	0.0014883	0.00057
974.861	0.0019822	0.000419
975.343	0.0019515	0.000586
975.825	0.0008366	0.000719
976.307	-0.0001533	0.000447
976.79	0.0011445	0.000547
977.272	0.0013961	0.000853
977.754	0.0015691	0.000595
978.236	0.0013403	0.00071
978.718	0.0012444	0.0009
979.2	0.0020887	0.000821
979.682	0.0019758	0.000268
980.164	0.0023385	0.000766
980.646	0.003327	0.000424
981.129	0.0028955	0.000463
981.611	0.0027259	0.000851
982.093	0.0031962	0.000719
982.575	0.0035432	0.000748
983.057	0.0044519	0.000624
983.539	0.0033206	0.000651
984.021	0.0043382	0.000483
984.503	0.0034217	0.000723
984.986	0.0045661	0.000622
985.468	0.0057504	0.000578
985.95	0.0070407	0.00076
986.432	0.0085189	0.000498
986.914	0.0127864	0.000883
987.396	0.0191718	0.000562
987.878	0.0225852	0.000708
988.36	0.0175309	0.000842

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0165207	0.000586
989.325	0.0182771	0.000914
989.807	0.0258429	0.000675
990.289	0.0408718	0.000608
990.771	0.0820865	0.001348
991.253	0.198896	0.001252
991.735	0.392156	0.001242
992.217	0.532722	0.002447
992.699	0.406203	0.001757
993.181	0.0685801	0.000686
993.664	0.0251645	0.000504
994.146	0.0128058	0.000608
994.628	0.0089228	0.000385
995.11	0.0069022	0.000347
995.592	0.0076677	0.000528
996.074	0.0058977	0.000729
996.556	0.0073168	0.000662
997.038	0.0073328	0.000813
997.521	0.0066444	0.000529
998.003	0.0057434	0.000639
998.485	0.0043845	0.000334
998.967	0.0057404	0.000533
999.449	0.0060452	0.000496
999.931	0.0067646	0.000833
1000.41	0.0064426	0.000595
1000.89	0.0068744	0.000797
1001.37	0.0083311	0.000561
1001.86	0.0105706	0.000476
1002.34	0.0110452	0.000629
1002.82	0.0112947	0.000564
1003.3	0.0117964	0.000344
1003.78	0.0137542	0.000314
1004.27	0.0165227	0.000542
1004.75	0.020289	0.000485
1005.23	0.0288804	0.001068
1005.71	0.0431697	0.000684
1006.19	0.0646625	0.001
1006.68	0.152402	0.000797
1007.16	0.393693	0.001482
1007.64	0.297633	0.000658
1008.12	0.0567261	0.000473
1008.6	0.0321406	0.000619
1009.09	0.0297779	0.000546
1009.57	0.0353622	0.000564
1010.05	0.0641409	0.00044

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.161591	0.000691
1011.02	0.388539	0.001365
1011.5	0.144467	0.00123
1011.98	0.216494	0.001271
1012.46	0.391454	0.001468
1012.94	0.306561	0.001929
1013.43	0.0784301	0.001096
1013.91	0.0198175	0.000686
1014.39	0.0106221	0.000732
1014.87	0.0051312	0.000722
1015.35	0.0059809	0.000727
1015.84	0.0047687	0.000468
1016.32	0.0039552	0.000468
1016.8	0.0045967	0.000843
1017.28	0.0052233	0.000452
1017.77	0.004504	0.000563
1018.25	0.0041152	0.000803
1018.73	0.0047358	0.000776
1019.21	0.0045529	0.000765
1019.69	0.0058018	0.001276
1020.18	0.0080416	0.000839
1020.66	0.0089753	0.000473
1021.14	0.0105642	0.000498
1021.62	0.0139675	0.000586
1022.1	0.0161634	0.000638
1022.59	0.0298769	0.000667
1023.07	0.0208621	0.00069
1023.55	0.013325	0.000585
1024.03	0.0173537	0.000569
1024.52	0.0256449	0.000525
1025	0.0247268	0.000535
1025.48	0.0361985	0.000588
1025.96	0.0811894	0.000681
1026.44	0.208042	0.001702
1026.93	0.419265	0.0018
1027.41	0.0706757	0.000775
1027.89	0.0331153	0.000471
1028.37	0.0257845	0.000711
1028.85	0.0281738	0.000775
1029.34	0.0486007	0.000962
1029.82	0.107629	0.00049
1030.3	0.210417	0.001358
1030.78	0.0679846	0.00064
1031.26	0.132069	0.001071
1031.75	0.318849	0.001094

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.320557	0.001918
1032.71	0.20659	0.001525
1033.19	0.497845	0.00262
1033.67	0.41521	0.002379
1034.16	0.45629	0.002519
1034.64	0.0797543	0.00044
1035.12	0.0280656	0.000371
1035.6	0.0145003	0.000649
1036.08	0.0109409	0.001018
1036.57	0.0096437	0.000898
1037.05	0.0063387	0.000692
1037.53	0.008307	0.000983
1038.01	0.0075991	0.000579
1038.49	0.007929	0.000726
1038.98	0.0102437	0.000617
1039.46	0.0144686	0.000788
1039.94	0.0110191	0.000679
1040.42	0.0151461	0.000891
1040.9	0.0243375	0.000841
1041.39	0.0111457	0.000527
1041.87	0.0129846	0.000736
1042.35	0.0171945	0.00079
1042.83	0.0241961	0.000609
1043.32	0.025103	0.000679
1043.8	0.0317694	0.000895
1044.28	0.043692	0.000816
1044.76	0.0679935	0.000927
1045.24	0.146036	0.001066
1045.73	0.355429	0.001846
1046.21	0.673852	0.00384
1046.69	0.236258	0.001925
1047.17	0.0695699	0.000715
1047.65	0.0385696	0.000519
1048.14	0.0361888	0.000687
1048.62	0.0672003	0.000502
1049.1	0.135907	0.001131
1049.58	0.0484827	0.000608
1050.06	0.0311489	0.000485
1050.55	0.0595305	0.000898
1051.03	0.125296	0.000779
1051.51	0.197891	0.00118
1051.99	0.0789673	0.000899
1052.47	0.169913	0.001332
1052.96	0.388738	0.001551
1053.44	0.147419	0.001306

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.225891	0.001918
1054.4	0.23492	0.001115
1054.88	0.23671	0.00188
1055.37	0.0325267	0.000974
1055.85	0.0137198	0.000785
1056.33	0.0098525	0.000891
1056.81	0.010015	0.000871
1057.29	0.0061305	0.000726
1057.78	0.0071374	0.000543
1058.26	0.0087629	0.000818
1058.74	0.0160482	0.000776
1059.22	0.0066498	0.000741
1059.71	0.0098993	0.000761
1060.19	0.0120436	0.000992
1060.67	0.0087119	0.000945
1061.15	0.0109849	0.000609
1061.63	0.0158373	0.000697
1062.12	0.0152594	0.000659
1062.6	0.0203117	0.000919
1063.08	0.0279302	0.000729
1063.56	0.0397954	0.000671
1064.04	0.0599114	0.000688
1064.53	0.137535	0.001228
1065.01	0.345637	0.002056
1065.49	0.530311	0.001963
1065.97	0.125566	0.001199
1066.45	0.0478951	0.000821
1066.94	0.0515382	0.00088
1067.42	0.0956473	0.001357
1067.9	0.181073	0.00095
1068.38	0.0287296	0.000886
1068.86	0.0196264	0.000605
1069.35	0.0277984	0.000881
1069.83	0.0627843	0.000441
1070.31	0.129414	0.001195
1070.79	0.0614976	0.000851
1071.27	0.0343101	0.000642
1071.76	0.0658572	0.000582
1072.24	0.122558	0.000823
1072.72	0.127204	0.001046
1073.2	0.0902418	0.000965
1073.68	0.1841	0.001045
1074.17	0.281113	0.002011
1074.65	0.140123	0.000918
1075.13	0.325619	0.00188

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.301426	0.001382
1076.09	0.18438	0.000967
1076.58	0.0253279	0.000384
1077.06	0.0125462	0.000978
1077.54	0.008324	0.000647
1078.02	0.0068519	0.000957
1078.51	0.0122402	0.000964
1078.99	0.0152637	0.000593
1079.47	0.0113006	0.0007
1079.95	0.0122938	0.000717
1080.43	0.0142813	0.000757
1080.92	0.0167551	0.000739
1081.4	0.0169705	0.000642
1081.88	0.0226052	0.001054
1082.36	0.0313924	0.000716
1082.84	0.0491222	0.000542
1083.33	0.099859	0.00082
1083.81	0.248223	0.001516
1084.29	0.58478	0.00229
1084.77	0.309039	0.00128
1085.25	0.0844587	0.000582
1085.74	0.0667384	0.000508
1086.22	0.0829567	0.000582
1086.7	0.0202646	0.00045
1087.18	0.0173399	0.000805
1087.66	0.0167445	0.000869
1088.15	0.0306142	0.00071
1088.63	0.0723559	0.00076
1089.11	0.155897	0.001362
1089.59	0.0506147	0.000549
1090.07	0.0173839	0.000856
1090.56	0.0205447	0.000737
1091.04	0.0460503	0.000993
1091.52	0.0950111	0.001081
1092	0.0442113	0.000771
1092.48	0.0276089	0.000561
1092.97	0.054909	0.000751
1093.45	0.114384	0.000784
1093.93	0.0613421	0.000678
1094.41	0.0917041	0.000983
1094.9	0.205846	0.002158
1095.38	0.0901787	0.000886
1095.86	0.139654	0.000635
1096.34	0.098399	0.000684
1096.82	0.0560131	0.000926

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0152301	0.000894
1097.79	0.0156394	0.001089
1098.27	0.0124733	0.000667
1098.75	0.0082942	0.001203
1099.23	0.0086242	0.000373
1099.72	0.0129223	0.000744
1100.2	0.0132333	0.00066
1100.68	0.01415	0.000553
1101.16	0.0224632	0.000926
1101.64	0.0312813	0.000662
1102.13	0.0657258	0.001214
1102.61	0.173214	0.001935
1103.09	0.431659	0.002046
1103.57	0.299124	0.001308
1104.05	0.0861081	0.000825
1104.54	0.0338308	0.000857
1105.02	0.0148839	0.001086
1105.5	0.0123997	0.000546
1105.98	0.0097044	0.001303
1106.46	0.0093429	0.000892
1106.95	0.0178276	0.000456
1107.43	0.0381005	0.001188
1107.91	0.0476451	0.000867
1108.39	0.0133898	0.000939
1108.87	0.0082895	0.001045
1109.36	0.0137757	0.000873
1109.84	0.0372406	0.000945
1110.32	0.0813499	0.001236
1110.8	0.0671462	0.001138
1111.28	0.0151689	0.001229
1111.77	0.0176601	0.000751
1112.25	0.0347114	0.000798
1112.73	0.0708405	0.001046
1113.21	0.0208971	0.001109
1113.7	0.0238535	0.001018
1114.18	0.0433557	0.00078
1114.66	0.0796938	0.000823
1115.14	0.0388947	0.000837
1115.62	0.0836833	0.000375
1116.11	0.106739	0.001059
1116.59	0.0884187	0.001043
1117.07	0.121437	0.000793
1117.55	0.161122	0.00098
1118.03	0.0147325	0.000689
1118.52	0.0107791	0.000921

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0081306	0.000734
1119.48	0.0155439	0.001207
1119.96	0.0191236	0.000713
1120.44	0.0293587	0.001154
1120.93	0.0715286	0.001025
1121.41	0.192906	0.001059
1121.89	0.448433	0.002153
1122.37	0.151739	0.00132
1122.85	0.03452	0.000659
1123.34	0.0157552	0.00088
1123.82	0.0087592	0.000468
1124.3	0.0073923	0.000716
1124.78	0.0092152	0.000656
1125.26	0.0158704	0.000664
1125.75	0.0298648	0.000943
1126.23	0.0136189	0.000752
1126.71	0.0040865	0.000553
1127.19	0.0048382	0.000304
1127.67	0.0060773	0.00065
1128.16	0.0098676	0.000516
1128.64	0.0202975	0.000756
1129.12	0.0434863	0.001116
1129.6	0.008482	0.000595
1130.09	0.0079353	0.000595
1130.57	0.01174	0.000598
1131.05	0.0258421	0.000741
1131.53	0.0524531	0.00071
1132.01	0.0324042	0.00088
1132.5	0.0099401	0.000755
1132.98	0.0139084	0.000632
1133.46	0.0226886	0.000629
1133.94	0.0366075	0.000645
1134.42	0.0124735	0.000649
1134.91	0.0228928	0.000859
1135.39	0.0443919	0.000791
1135.87	0.0202895	0.000704
1136.35	0.0434105	0.000885
1136.83	0.057739	0.000636
1137.32	0.0477444	0.00068
1137.8	0.0436492	0.000519
1138.28	0.0211021	0.000445
1138.76	0.0247288	0.00058
1139.24	0.0474641	0.000891
1139.73	0.0965999	0.000677
1140.21	0.226697	0.001126

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.219611	0.001152
1141.17	0.0279508	0.000425
1141.65	0.0123469	0.000684
1142.14	0.0059032	0.000908
1142.62	0.0075023	0.000483
1143.1	0.0136711	0.000583
1143.58	0.0278485	0.000499
1144.06	0.0162099	0.000559
1144.55	0.0023173	0.000425
1145.03	0.0030761	0.000511
1145.51	0.0036903	0.000548
1145.99	0.0029998	0.000691
1146.48	0.00443	0.000465
1146.96	0.0108515	0.000887
1147.44	0.021855	0.000676
1147.92	0.0025505	0.000632
1148.4	0.0022432	0.000411
1148.89	0.0025831	0.000459
1149.37	0.0054057	0.000495
1149.85	0.0089986	0.000836
1150.33	0.0204321	0.000518
1150.81	0.0024084	0.000504
1151.3	0.0031589	0.00056
1151.78	0.0070389	0.000545
1152.26	0.0191749	0.000584
1152.74	0.0378728	0.00057
1153.22	0.0051479	0.000791
1153.71	0.0074179	0.000363
1154.19	0.0107303	0.000406
1154.67	0.0216163	0.000273
1155.15	0.0090278	0.00041
1155.63	0.0144753	0.000851
1156.12	0.031846	0.000813
1156.6	0.026176	0.000439
1157.08	0.0426456	0.000694
1157.56	0.0384229	0.001229
1158.04	0.105798	0.000862
1158.53	0.230204	0.000551
1159.01	0.206889	0.000654
1159.49	0.0188117	0.000598
1159.97	0.0074403	0.000594
1160.45	0.0040401	0.000263
1160.94	0.0055766	0.000514
1161.42	0.0098585	0.000572
1161.9	0.0012725	0.000455

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.0005439	0.000817
1162.86	-0.0002383	0.00055
1163.35	0.001899	0.000389
1163.83	0.0005617	0.000631
1164.31	0.0025208	0.000475
1164.79	0.0081582	0.000544
1165.28	0.0169802	0.000592
1165.76	0.0025009	0.000406
1166.24	0.0001899	0.000392
1166.72	0.0011083	0.000668
1167.2	0.0007766	0.000533
1167.69	0.0015871	0.000674
1168.17	0.0051293	0.000409
1168.65	0.010339	0.000626
1169.13	0.001378	0.000735
1169.61	0.001577	0.000678
1170.1	0.0007368	0.000656
1170.58	0.0033944	0.00075
1171.06	0.0071875	0.000351
1171.54	0.0069598	0.000598
1172.02	0.0035652	0.000413
1172.51	0.0061211	0.000652
1172.99	0.0142893	0.000413
1173.47	0.0206019	0.000542
1173.95	0.0038884	0.000439
1174.43	0.0075375	0.000468
1174.92	0.0101902	0.000531
1175.4	0.0135439	0.00042
1175.88	0.0261511	0.000562
1176.36	0.075794	0.000912
1176.84	0.166705	0.000673
1177.33	0.0498377	0.000532
1177.81	0.0126406	0.0004
1178.29	0.0139281	0.00085
1178.77	0.0080875	0.00072
1179.25	0.0020445	0.000426
1179.74	0.0015153	0.000561
1180.22	0.0015519	0.00055
1180.7	0.0005928	0.00034
1181.18	0.0002503	0.00046
1181.67	0.0009365	0.000588
1182.15	-0.0001746	0.000483
1182.63	0.001388	0.00042
1183.11	0.0036274	0.00081
1183.59	-0.0004726	0.000517

Ammonia

2.600 Mole %

A2RNH3

D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0008032	0.000615
1184.56	0.000745	0.000683
1185.04	0.0004471	0.000432
1185.52	0.0003767	0.000403
1186	0.0036418	0.000569
1186.49	0.0077439	0.000402
1186.97	0.0032211	0.000541
1187.45	0.0006983	0.000622
1187.93	0.0006918	0.000343
1188.41	0.0004275	0.000467
1188.9	0.0015161	0.000418
1189.38	0.0043669	0.000608
1189.86	0.0024559	0.000294
1190.34	-0.0000302	0.000234
1190.82	0.0009294	0.000367
1191.31	0.0016478	0.000727
1191.79	0.0042313	0.000582
1192.27	0.0029374	0.000439
1192.75	0.0033432	0.00045
1193.23	0.0057061	0.000487
1193.72	0.0144213	0.000467
1194.2	0.0328942	0.000324
1194.68	0.0756956	0.000746
1195.16	0.0523571	0.000325
1195.64	0.0117876	0.00052
1196.13	0.0027411	0.000688
1196.61	0.003482	0.000441
1197.09	0.0014069	0.000644
1197.57	0.0062171	0.000537
1198.06	0.0052824	0.000673
1198.54	0.0053879	0.000597
1199.02	-0.0006599	0.00031
1199.5	0.0000788	0.000434
1199.98	0.0007676	0.000257
1200.47	0.0016833	0.0004
1200.95	0.0001957	0.000683
1201.43	-0.0005793	0.000531
1201.91	0.0002461	0.000538
1202.39	-0.0007626	0.000289
1202.88	0.0006244	0.000404
1203.36	0.0002022	0.0005
1203.84	0.0001385	0.000616
1204.32	0.0019916	0.000521
1204.8	-0.0009234	0.000512
1205.29	0.000188	0.000534

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0007984	0.000563
1206.25	0.000484	0.000308
1206.73	0.0008824	0.000272
1207.21	0.0013812	0.000461
1207.7	0.0023913	0.000404
1208.18	0.0000628	0.000699
1208.66	0.0004411	0.0005
1209.14	0.000187	0.00031
1209.62	0.0020615	0.000414
1210.11	0.0021435	0.000464
1210.59	0.0018525	0.000558
1211.07	0.0019729	0.000484
1211.55	0.0074361	0.000513
1212.03	0.0190023	0.000641
1212.52	0.036493	0.000449
1213	0.0130606	0.000401
1213.48	0.0069699	0.000445
1213.96	0.0025736	0.000459
1214.45	0.0002328	0.000444
1214.93	0.0005856	0.000553
1215.41	0.0016155	0.000398
1215.89	-0.0001875	0.000265
1216.37	0.000955	0.00044
1216.86	0.0016735	0.000476
1217.34	0.0030066	0.00076
1217.82	0.0011357	0.000497
1218.3	0.0002587	0.000481
1218.78	0.0001061	0.000789
1219.27	0.0004349	0.000329
1219.75	0.000571	0.000436
1220.23	-0.0002936	0.000522
1220.71	0.0003864	0.000235
1221.19	0.0005458	0.00044
1221.68	0.0009609	0.000572
1222.16	0.0001302	0.000393
1222.64	0.0008463	0.000509
1223.12	-0.0002107	0.000535
1223.6	-0.0006525	0.000548
1224.09	0.0001649	0.000447
1224.57	0.0006992	0.000407
1225.05	0.0013759	0.000341
1225.53	-0.0003634	0.000344
1226.01	0.0001538	0.000677
1226.5	-0.000282	0.00073
1226.98	0.0003842	0.000416

Ammonia

2.600 Mole %

A2RNH3

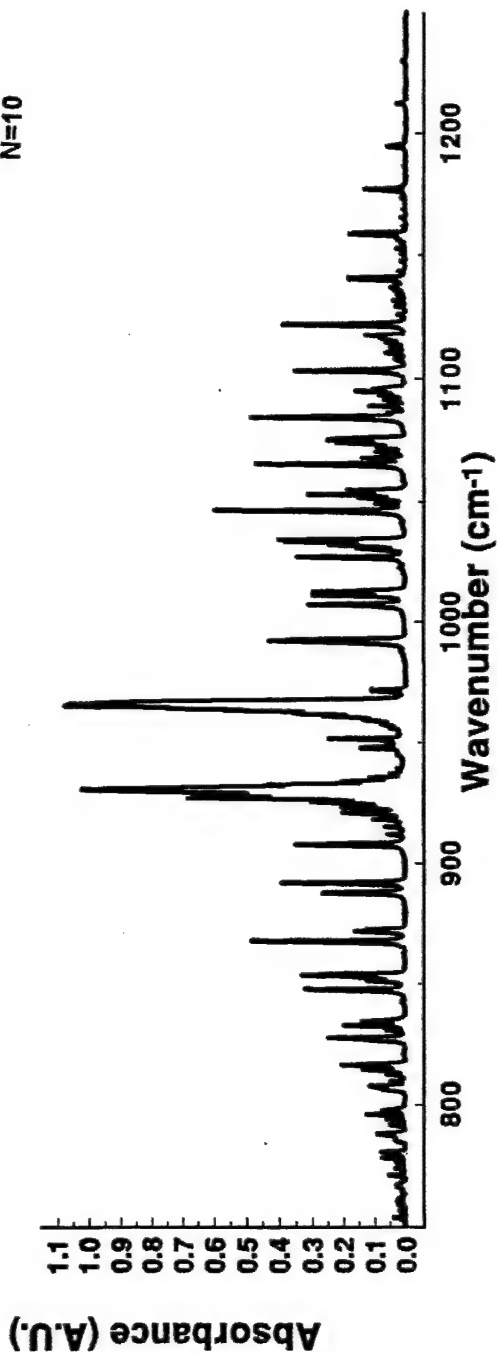
D2RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0008326	0.000441
1227.94	0.0018302	0.000551
1228.42	0.0007612	0.000516
1228.91	0.002704	0.000504
1229.39	0.0056473	0.000434
1229.87	0.0127648	0.000431
1230.35	0.0116019	0.00036
1230.83	0.0019874	0.000564
1231.32	0.0008731	0.000535
1231.8	-0.0001144	0.000469
1232.28	0.001087	0.000575
1232.76	-0.0003887	0.000356
1233.25	-0.0006614	0.000402
1233.73	0.0006828	0.00069
1234.21	0.000168	0.000449
1234.69	-0.0001423	0.000375
1235.17	-0.0006951	0.000321
1235.66	0.0002	0.000308
1236.14	0.0015215	0.000613
1236.62	0.0004709	0.000488
1237.1	0.0002616	0.000289
1237.58	-0.0006446	0.000667
1238.07	-0.000495	0.000565
1238.55	0.0005258	0.000452
1239.03	0.000155	0.000552
1239.51	-0.0005726	0.0006
1239.99	0.0001837	0.000509
1240.48	-0.0001889	0.00036
1240.96	-0.0004115	0.000462
1241.44	0.0001468	0.000413
1241.92	0.0001376	0.00053
1242.4	-0.0000827	0.000437
1242.89	0.0002718	0.000578
1243.37	0.0007968	0.000509
1243.85	0.0020183	0.000421
1244.33	0.0002691	0.000366
1244.81	-0.0001414	0.000544
1245.3	0.0005125	0.000537
1245.78	0.0013324	0.000392
1246.26	0.0008264	0.000325
1246.74	0.0022684	0.000609
1247.22	0.0047903	0.000348
1247.71	0.0033275	0.000367
1248.19	0.0000517	0.000437
1248.67	0.0003654	0.000343

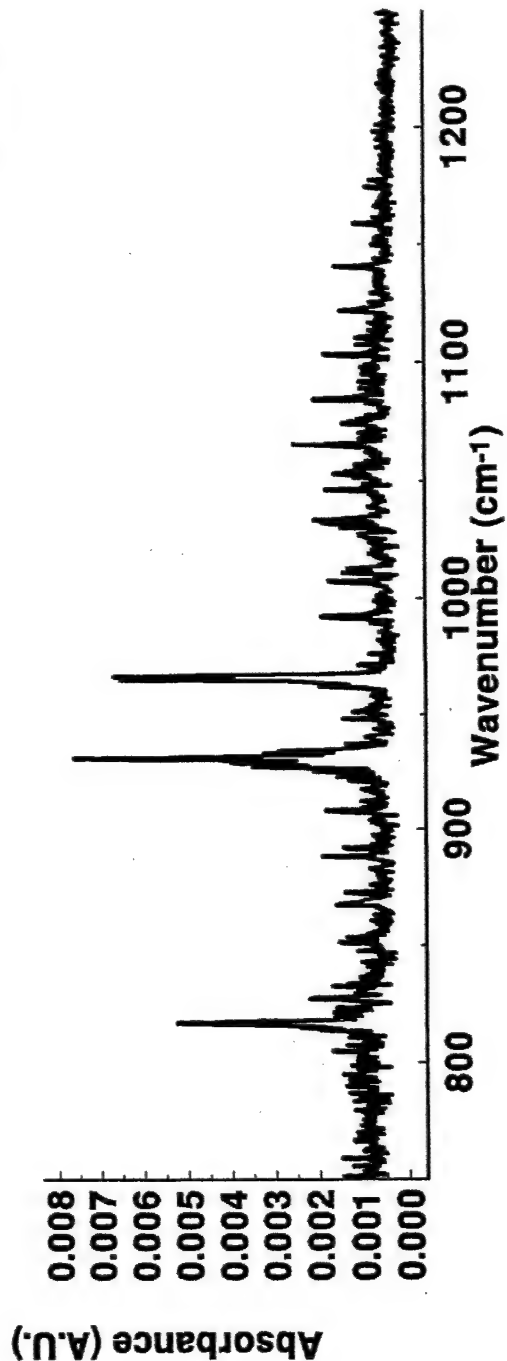
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0000101	0.000432
1249.63	0.0003742	0.000484
1250.12	0.0002531	0.00041

1.835 Mole %

A03NH3
N=10



D03NH3



Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0041139	0.00086
750.677	0.0014775	0.000847
751.159	0.0045394	0.00139
751.641	0.0081042	0.00053
752.123	0.004916	0.000739
752.605	0.005726	0.000741
753.087	0.0169958	0.001015
753.57	0.0389456	0.000875
754.052	0.0034315	0.000886
754.534	0.0051045	0.000816
755.016	0.0036844	0.000697
755.498	0.0148537	0.001238
755.98	0.0073022	0.000754
756.462	0.0198647	0.000766
756.944	0.0027262	0.000604
757.426	0.0034822	0.000843
757.909	0.0050335	0.000591
758.391	0.0165825	0.000784
758.873	0.02535	0.001472
759.355	0.0071155	0.000776
759.837	0.011812	0.00084
760.319	0.027442	0.000678
760.801	0.0270039	0.000518
761.283	0.0100192	0.000538
761.766	0.0219103	0.001012
762.248	0.0092792	0.000643
762.73	0.0131179	0.000966
763.212	0.003461	0.000607
763.694	0.0080197	0.000769
764.176	0.0142635	0.000843
764.658	0.0129732	0.000868
765.14	0.010962	0.000771
765.622	0.018373	0.000801
766.105	0.0280359	0.001202
766.587	0.0204892	0.001208
767.069	0.031276	0.000735
767.551	0.0245131	0.00113
768.033	0.0216408	0.000845
768.515	0.0046117	0.001116
768.997	0.0034204	0.000597
769.479	0.0036554	0.000752
769.961	0.0092128	0.001135
770.444	0.0228	0.001046
770.926	0.0540333	0.000819
771.408	0.0071747	0.000613

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0088962	0.000812
772.372	0.0111127	0.000808
772.854	0.0061676	0.00105
773.336	0.013135	0.000979
773.818	0.0348274	0.000893
774.301	0.0100953	0.00079
774.783	0.009777	0.000798
775.265	0.0088694	0.001011
775.747	0.0120627	0.000896
776.229	0.0320087	0.000789
776.711	0.0115086	0.000886
777.193	0.0088739	0.000793
777.675	0.0221712	0.000974
778.157	0.0749926	0.000623
778.64	0.0128389	0.001046
779.122	0.0243514	0.00082
779.604	0.053924	0.001193
780.086	0.0633673	0.000574
780.568	0.0769898	0.000882
781.05	0.0088757	0.000915
781.532	0.0043373	0.000765
782.014	0.0034496	0.000866
782.497	0.0058558	0.000469
782.979	0.0045587	0.000595
783.461	0.0046452	0.001222
783.943	0.0047174	0.000475
784.425	0.0133151	0.000714
784.907	0.0280185	0.001102
785.389	0.0371596	0.000753
785.871	0.0349028	0.000418
786.353	0.0353189	0.001053
786.836	0.042089	0.001299
787.318	0.0670803	0.000731
787.8	0.0923566	0.000869
788.282	0.0694917	0.000743
788.764	0.0177923	0.000775
789.246	0.0065826	0.000732
789.728	0.0047215	0.001367
790.21	0.0064872	0.001151
790.692	0.0080245	0.0013
791.175	0.0230863	0.001007
791.657	0.052382	0.000694
792.139	0.0065999	0.001121
792.621	0.0079392	0.001327
793.103	0.0098452	0.001

Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0213726	0.000764
794.067	0.0630878	0.001225
794.549	0.0125408	0.001319
795.032	0.0164681	0.001451
795.514	0.0468854	0.001045
795.996	0.125528	0.001097
796.478	0.0158414	0.000751
796.96	0.0340231	0.000793
797.442	0.0756742	0.001144
797.924	0.0485734	0.000435
798.406	0.0248489	0.001111
798.888	0.0119646	0.001261
799.371	0.00768	0.000994
799.853	0.006225	0.000708
800.335	0.008257	0.001098
800.817	0.0066764	0.001142
801.299	0.0051547	0.000794
801.781	0.0046572	0.001025
802.263	0.0030107	0.000738
802.745	0.0041868	0.001135
803.227	0.0032085	0.001117
803.71	0.0043877	0.00105
804.192	0.0095474	0.000946
804.674	0.007349	0.00095
805.156	0.016179	0.001684
805.638	0.0474108	0.000758
806.12	0.0778879	0.00106
806.602	0.0659034	0.00101
807.084	0.0994562	0.000619
807.567	0.114105	0.001363
808.049	0.023174	0.000887
808.531	0.0135544	0.000606
809.013	0.0206189	0.001002
809.495	0.0514741	0.000701
809.977	0.0157708	0.000805
810.459	0.0069227	0.000782
810.941	0.0098681	0.001322
811.423	0.0156591	0.000564
811.906	0.0485834	0.001241
812.388	0.0639075	0.000937
812.87	0.0202115	0.001303
813.352	0.032338	0.000874
813.834	0.0947985	0.001563
814.316	0.138549	0.001992
814.798	0.0443347	0.001513

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0912578	0.002434
815.762	0.10023	0.001885
816.245	0.20614	0.002993
816.727	0.138118	0.00491
817.209	0.023868	0.005243
817.691	0.0119861	0.004156
818.173	0.0048191	0.00264
818.655	0.0054031	0.001219
819.137	0.0055999	0.001242
819.619	0.0065273	0.001638
820.102	0.0061273	0.001065
820.584	0.0081214	0.001102
821.066	0.0094134	0.001214
821.548	0.0057565	0.001648
822.03	0.0085304	0.001043
822.512	0.0081167	0.00084
822.994	0.0046417	0.000883
823.476	0.005814	0.001593
823.959	0.0078727	0.000916
824.441	0.0079751	0.00102
824.923	0.0078575	0.000692
825.405	0.0175805	0.000439
825.887	0.0402179	0.000624
826.369	0.111154	0.00129
826.851	0.139828	0.001191
827.333	0.247121	0.00219
827.816	0.205223	0.002051
828.298	0.0202079	0.001
828.78	0.0150576	0.000662
829.262	0.013097	0.001041
829.744	0.0165142	0.001188
830.226	0.0428472	0.001039
830.708	0.0657761	0.001106
831.19	0.017314	0.001057
831.672	0.0297903	0.00079
832.155	0.0953255	0.001158
832.637	0.198492	0.001674
833.119	0.0435405	0.000436
833.601	0.0852576	0.00134
834.083	0.140688	0.001231
834.565	0.125554	0.000698
835.047	0.0448973	0.001044
835.529	0.0172229	0.00092
836.011	0.0123945	0.000654
836.494	0.0072327	0.00107

Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0048139	0.000609
837.458	0.0060896	0.000917
837.94	0.0046155	0.000642
838.422	0.0040635	0.000779
838.904	0.0039126	0.000584
839.386	0.0033452	0.000814
839.868	0.0051484	0.000614
840.351	0.0055135	0.000592
840.833	0.0061888	0.000905
841.315	0.0063733	0.000837
841.797	0.0092679	0.000393
842.279	0.0156622	0.0009
842.761	0.0105159	0.001024
843.243	0.0052652	0.000774
843.725	0.0096679	0.000593
844.207	0.0090819	0.000321
844.69	0.0079238	0.000557
845.172	0.0108635	0.000569
845.654	0.02189	0.000663
846.136	0.0324629	0.000459
846.618	0.0754348	0.000322
847.1	0.224973	0.000606
847.582	0.321358	0.001112
848.064	0.0590729	0.000905
848.546	0.0217204	0.000602
849.029	0.0192418	0.00079
849.511	0.0181214	0.00068
849.993	0.0233	0.00066
850.475	0.0457304	0.000749
850.957	0.125115	0.00144
851.439	0.128216	0.00152
851.921	0.0665648	0.000717
852.403	0.145096	0.000715
852.886	0.165698	0.001083
853.368	0.330184	0.001349
853.85	0.265884	0.00101
854.332	0.0385154	0.000557
854.814	0.0174975	0.000907
855.296	0.0095118	0.000823
855.778	0.0078682	0.000781
856.26	0.0083115	0.00048
856.742	0.004825	0.000495
857.225	0.0062501	0.000632
857.707	0.0052303	0.000532
858.189	0.0047451	0.000601

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0045269	0.000445
859.153	0.0042171	0.000703
859.635	0.0029883	0.000698
860.117	0.0049634	0.000398
860.599	0.005861	0.00082
861.081	0.005994	0.000688
861.564	0.006508	0.000437
862.046	0.0075987	0.000619
862.528	0.0088438	0.000628
863.01	0.0071845	0.000761
863.492	0.0050128	0.000378
863.974	0.0069746	0.000588
864.456	0.0065776	0.000421
864.938	0.0093333	0.000545
865.421	0.0185958	0.000547
865.903	0.0239732	0.000711
866.385	0.0387482	0.000633
866.867	0.0933084	0.000683
867.349	0.313778	0.00158
867.831	0.48256	0.001526
868.313	0.0702132	0.00115
868.795	0.0315323	0.001063
869.277	0.0165882	0.001005
869.76	0.0126475	0.000805
870.242	0.0159924	0.000618
870.724	0.0274846	0.000572
871.206	0.0665693	0.000446
871.688	0.162136	0.000799
872.17	0.110613	0.001173
872.652	0.126291	0.001381
873.134	0.0181061	0.000548
873.617	0.0082043	0.00039
874.099	0.0054552	0.000709
874.581	0.0052795	0.000546
875.063	0.0046405	0.000511
875.545	0.0047934	0.000698
876.027	0.0036826	0.000837
876.509	0.0051978	0.000735
876.991	0.0041897	0.000451
877.474	0.0049904	0.000516
877.956	0.004509	0.000415
878.438	0.0045015	0.000656
878.92	0.0056201	0.0006
879.402	0.0026563	0.000535
879.884	0.002087	0.000683

Ammonia

1.835 Mole %

A03NH3
D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.005785	0.000695
880.848	0.0058303	0.000537
881.33	0.0033577	0.000379
881.813	0.0043562	0.000748
882.295	0.0061202	0.000623
882.777	0.0090423	0.00085
883.259	0.0061149	0.000631
883.741	0.0069127	0.000603
884.223	0.0063768	0.00041
884.705	0.0076505	0.000571
885.187	0.0108841	0.000361
885.669	0.0140082	0.000467
886.152	0.0203399	0.000523
886.634	0.0334041	0.000717
887.116	0.0926476	0.000871
887.598	0.266366	0.000862
888.08	0.247116	0.001901
888.562	0.0356975	0.000797
889.044	0.0201482	0.000869
889.526	0.0169975	0.000505
890.009	0.0188395	0.000801
890.491	0.0273244	0.000736
890.973	0.0509758	0.000527
891.455	0.157941	0.001249
891.937	0.390485	0.001407
892.419	0.083265	0.000588
892.901	0.0225749	0.000402
893.383	0.0123924	0.000805
893.865	0.0072131	0.000514
894.348	0.0055242	0.000619
894.83	0.0052984	0.000445
895.312	0.0067721	0.000688
895.794	0.0047378	0.000489
896.276	0.0051884	0.000354
896.758	0.0049488	0.000723
897.24	0.0054175	0.000779
897.722	0.0026737	0.000496
898.204	0.0046367	0.000459
898.687	0.0053588	0.00057
899.169	0.0052946	0.000371
899.651	0.004835	0.000424
900.133	0.0077904	0.000453
900.615	0.0079869	0.000589
901.097	0.0037723	0.000403
901.579	0.0058885	0.000251

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0062287	0.000706
902.544	0.0073443	0.000614
903.026	0.0094017	0.0008
903.508	0.0094356	0.000522
903.99	0.0094991	0.000849
904.472	0.0136395	0.000777
904.954	0.0148286	0.000587
905.436	0.0155471	0.000637
905.918	0.0201849	0.000267
906.4	0.0263599	0.000759
906.883	0.0426262	0.000718
907.365	0.114406	0.001078
907.847	0.348448	0.001613
908.329	0.224275	0.001805
908.811	0.0524859	0.000619
909.293	0.0226548	0.001034
909.775	0.0147134	0.000516
910.257	0.0119717	0.000707
910.739	0.0103157	0.000862
911.222	0.0143619	0.000491
911.704	0.0257279	0.000707
912.186	0.0587458	0.001026
912.668	0.0157582	0.000797
913.15	0.0146948	0.000588
913.632	0.0105579	0.000476
914.114	0.0105385	0.000654
914.596	0.0156872	0.000539
915.079	0.0329976	0.000665
915.561	0.0671426	0.000715
916.043	0.0230697	0.000833
916.525	0.0253413	0.000556
917.007	0.0186532	0.000964
917.489	0.0235283	0.00102
917.971	0.0446548	0.000856
918.453	0.105847	0.000814
918.935	0.0386018	0.000515
919.418	0.0316997	0.000585
919.9	0.0337884	0.000483
920.382	0.0631876	0.000697
920.864	0.166195	0.001066
921.346	0.202901	0.001299
921.828	0.0787677	0.000646
922.31	0.0514743	0.000662
922.792	0.0860297	0.001567
923.275	0.207643	0.001246

Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.191283	0.001246
924.239	0.0998085	0.000781
924.721	0.104791	0.0008
925.203	0.220911	0.002103
925.685	0.302668	0.001774
926.167	0.171467	0.000904
926.649	0.275049	0.001863
927.132	0.684069	0.003509
927.614	0.424021	0.002233
928.096	0.429183	0.002297
928.578	0.669169	0.003763
929.06	0.585844	0.004003
929.542	0.4986	0.002992
930.024	0.7752	0.002511
930.506	0.949526	0.005948
930.988	1.01968	0.007643
931.471	0.87366	0.004654
931.953	0.642819	0.003735
932.435	0.388898	0.001924
932.917	0.432592	0.003251
933.399	0.150128	0.001668
933.881	0.206551	0.002916
934.363	0.200812	0.002829
934.845	0.0736301	0.001545
935.328	0.0939041	0.001158
935.81	0.116781	0.000951
936.292	0.028341	0.000735
936.774	0.0356024	0.000513
937.256	0.0503537	0.00137
937.738	0.0308259	0.000805
938.22	0.0191453	0.000499
938.702	0.0248325	0.000725
939.184	0.0288158	0.000798
939.667	0.0149653	0.00078
940.149	0.0141838	0.00094
940.631	0.014832	0.000895
941.113	0.0127379	0.00058
941.595	0.0113669	0.000378
942.077	0.0109488	0.000544
942.559	0.0138496	0.00063
943.041	0.0115441	0.000476
943.523	0.0124315	0.000746
944.006	0.0145645	0.00035
944.488	0.0171012	0.000584
944.97	0.0286971	0.000536

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.02593	0.000642
945.934	0.0272203	0.000372
946.416	0.0305847	0.00054
946.898	0.0312751	0.000531
947.38	0.0582685	0.00058
947.863	0.144746	0.00091
948.345	0.134023	0.001417
948.827	0.0432302	0.000702
949.309	0.0626648	0.000794
949.791	0.0398706	0.000497
950.273	0.0412295	0.000692
950.755	0.0467467	0.000699
951.237	0.121684	0.001206
951.719	0.245373	0.001135
952.202	0.0401137	0.000661
952.684	0.0231816	0.000918
953.166	0.0232556	0.000572
953.648	0.0198598	0.000424
954.13	0.0271773	0.000836
954.612	0.025906	0.000669
955.094	0.0247189	0.00072
955.576	0.0316718	0.000602
956.058	0.0516346	0.000611
956.541	0.0378123	0.000576
957.023	0.0445733	0.000414
957.505	0.0773123	0.00073
957.987	0.0810931	0.0008
958.469	0.0619744	0.000524
958.951	0.0921148	0.000782
959.433	0.137135	0.000566
959.915	0.117947	0.000511
960.398	0.149773	0.000539
960.88	0.267331	0.000921
961.362	0.195782	0.000867
961.844	0.330583	0.001229
962.326	0.359573	0.001965
962.808	0.330643	0.00131
963.29	0.568401	0.00141
963.772	0.512087	0.001826
964.254	0.753255	0.0022
964.737	0.745864	0.002786
965.219	1.07494	0.006547
965.701	0.859745	0.006001
966.183	1.06214	0.003973
966.665	0.956482	0.006707

Ammonia

1.835 Mole %

A03NH3
D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.841651	0.005699
967.629	0.529278	0.002166
968.111	0.166178	0.001154
968.594	0.046397	0.000646
969.076	0.0262905	0.000849
969.558	0.019607	0.000575
970.04	0.0170473	0.00053
970.522	0.0185977	0.000525
971.004	0.0422655	0.000646
971.486	0.109201	0.001094
971.968	0.10985	0.000862
972.45	0.0149155	0.000429
972.933	0.0074913	0.000335
973.415	0.0044272	0.000499
973.897	0.0024259	0.000589
974.379	0.0034195	0.000361
974.861	0.0018889	0.000566
975.343	0.0015896	0.00059
975.825	0.0017589	0.000367
976.307	0.0019035	0.000833
976.79	0.0024999	0.000482
977.272	0.0035114	0.000306
977.754	0.0037063	0.000441
978.236	0.0031937	0.000435
978.718	0.0020873	0.000307
979.2	0.004245	0.000512
979.682	0.0036208	0.000413
980.164	0.0037339	0.00041
980.646	0.0026445	0.000567
981.129	0.0030099	0.000318
981.611	0.0025747	0.000532
982.093	0.0031588	0.000645
982.575	0.0024475	0.000306
983.057	0.0035422	0.000444
983.539	0.0038936	0.000535
984.021	0.0054078	0.000232
984.503	0.0050461	0.000408
984.986	0.0056977	0.000402
985.468	0.0069462	0.000616
985.95	0.0094469	0.000563
986.432	0.0083385	0.000492
986.914	0.0098241	0.000461
987.396	0.016929	0.000451
987.878	0.0186262	0.000378
988.36	0.015202	0.000514

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0129268	0.00055
989.325	0.0166048	0.000811
989.807	0.022386	0.000387
990.289	0.0323745	0.000345
990.771	0.0633261	0.000883
991.253	0.15104	0.000838
991.735	0.297552	0.001377
992.217	0.429645	0.001905
992.699	0.348804	0.001786
993.181	0.0491664	0.000665
993.664	0.0193594	0.00083
994.146	0.0096366	0.000387
994.628	0.0057708	0.000728
995.11	0.0049972	0.000487
995.592	0.00598	0.000507
996.074	0.006011	0.000651
996.556	0.0047053	0.000449
997.038	0.0057788	0.000323
997.521	0.0064875	0.000469
998.003	0.006638	0.000648
998.485	0.0069362	0.000289
998.967	0.0072714	0.000733
999.449	0.0078078	0.000578
999.931	0.0073733	0.000361
1000.41	0.0071902	0.000511
1000.89	0.0068797	0.000676
1001.37	0.0077935	0.000534
1001.86	0.0103143	0.000528
1002.34	0.0097498	0.000584
1002.82	0.0093622	0.000373
1003.3	0.0110186	0.000416
1003.78	0.0133065	0.000505
1004.27	0.0149869	0.000446
1004.75	0.0170252	0.000505
1005.23	0.0262176	0.000471
1005.71	0.0350826	0.000736
1006.19	0.0516859	0.000639
1006.68	0.118535	0.000967
1007.16	0.310818	0.001488
1007.64	0.24416	0.001734
1008.12	0.0417109	0.000382
1008.6	0.0257727	0.000419
1009.09	0.0240682	0.000442
1009.57	0.0266711	0.000719
1010.05	0.0493958	0.000252

Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.124361	0.000879
1011.02	0.297173	0.001409
1011.5	0.101469	0.000804
1011.98	0.162405	0.001129
1012.46	0.296612	0.001168
1012.94	0.242077	0.001301
1013.43	0.0571184	0.000927
1013.91	0.0157544	0.000378
1014.39	0.0092197	0.000623
1014.87	0.0059048	0.000356
1015.35	0.0053983	0.000382
1015.84	0.0066756	0.000448
1016.32	0.0043246	0.000305
1016.8	0.0048614	0.000545
1017.28	0.0041512	0.000598
1017.77	0.00358	0.000709
1018.25	0.0042584	0.000464
1018.73	0.0062878	0.000616
1019.21	0.0045758	0.000844
1019.69	0.0065385	0.000618
1020.18	0.0085042	0.000679
1020.66	0.0094458	0.00057
1021.14	0.0091448	0.000774
1021.62	0.0133095	0.000413
1022.1	0.0152665	0.000233
1022.59	0.0227009	0.000515
1023.07	0.014989	0.00076
1023.55	0.0117692	0.000579
1024.03	0.0156418	0.000844
1024.52	0.0205125	0.000723
1025	0.0234251	0.000626
1025.48	0.0301446	0.000485
1025.96	0.0632467	0.000926
1026.44	0.162527	0.000975
1026.93	0.34476	0.001037
1027.41	0.0499323	0.001066
1027.89	0.0239787	0.000844
1028.37	0.0198015	0.000305
1028.85	0.0206094	0.000574
1029.34	0.0362042	0.000434
1029.82	0.0812716	0.000708
1030.3	0.159924	0.00148
1030.78	0.0508731	0.00071
1031.26	0.101793	0.000673
1031.75	0.246064	0.001586

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.251009	0.001897
1032.71	0.157841	0.000779
1033.19	0.380144	0.001733
1033.67	0.331451	0.002071
1034.16	0.400847	0.001423
1034.64	0.0552385	0.001184
1035.12	0.0201467	0.000622
1035.6	0.0111998	0.000817
1036.08	0.0075163	0.000678
1036.57	0.0077971	0.000618
1037.05	0.0062488	0.000443
1037.53	0.0063725	0.000493
1038.01	0.0058234	0.000598
1038.49	0.0083563	0.000663
1038.98	0.0103836	0.000853
1039.46	0.0126516	0.000771
1039.94	0.0122165	0.000745
1040.42	0.0131269	0.000642
1040.9	0.0183953	0.000662
1041.39	0.0104114	0.000508
1041.87	0.0118051	0.00072
1042.35	0.0138286	0.000718
1042.83	0.0193311	0.000746
1043.32	0.0201012	0.000541
1043.8	0.0242566	0.000725
1044.28	0.0338816	0.000827
1044.76	0.0504706	0.000694
1045.24	0.107552	0.000677
1045.73	0.282663	0.001076
1046.21	0.597418	0.001817
1046.69	0.178878	0.001268
1047.17	0.0508478	0.000789
1047.65	0.028333	0.000818
1048.14	0.0270435	0.000403
1048.62	0.0498955	0.000977
1049.1	0.0995612	0.000694
1049.58	0.0367746	0.000792
1050.06	0.0243955	0.000622
1050.55	0.0417176	0.000741
1051.03	0.09433	0.000717
1051.51	0.153731	0.00119
1051.99	0.062767	0.000875
1052.47	0.135051	0.000832
1052.96	0.312711	0.00161
1053.44	0.10561	0.001017

Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.169535	0.001375
1054.4	0.177932	0.000962
1054.88	0.1887	0.001156
1055.37	0.0262385	0.000554
1055.85	0.0122608	0.000954
1056.33	0.0096498	0.000781
1056.81	0.006317	0.00115
1057.29	0.0044231	0.00067
1057.78	0.0062745	0.000422
1058.26	0.0088477	0.000906
1058.74	0.0118726	0.000414
1059.22	0.0077524	0.000693
1059.71	0.0099068	0.000586
1060.19	0.0108456	0.000617
1060.67	0.0087995	0.00076
1061.15	0.0106878	0.000814
1061.63	0.0132507	0.000587
1062.12	0.0137719	0.000912
1062.6	0.017071	0.000739
1063.08	0.0223191	0.0007
1063.56	0.0299525	0.00082
1064.04	0.0475251	0.000836
1064.53	0.106274	0.001246
1065.01	0.273466	0.00178
1065.49	0.469403	0.002539
1065.97	0.0906037	0.001136
1066.45	0.0352003	0.000754
1066.94	0.037605	0.00059
1067.42	0.0749876	0.000742
1067.9	0.13971	0.001067
1068.38	0.0222751	0.000804
1068.86	0.016501	0.000505
1069.35	0.0214866	0.000832
1069.83	0.0487735	0.000623
1070.31	0.0976148	0.001054
1070.79	0.0475	0.000751
1071.27	0.0262099	0.000491
1071.76	0.0497752	0.000862
1072.24	0.09357	0.000781
1072.72	0.0967862	0.000694
1073.2	0.0671498	0.000903
1073.68	0.144467	0.000904
1074.17	0.224424	0.001425
1074.65	0.107833	0.000971
1075.13	0.250234	0.001288

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.241736	0.000799
1076.09	0.1506	0.001104
1076.58	0.020404	0.000545
1077.06	0.0088544	0.000515
1077.54	0.0057921	0.000903
1078.02	0.0058256	0.000524
1078.51	0.0084908	0.000441
1078.99	0.0117439	0.000585
1079.47	0.0124879	0.000593
1079.95	0.0111507	0.000442
1080.43	0.0125288	0.000418
1080.92	0.0137017	0.000616
1081.4	0.0152054	0.000623
1081.88	0.0214028	0.000635
1082.36	0.0270215	0.000713
1082.84	0.0376831	0.000898
1083.33	0.0771996	0.000555
1083.81	0.19969	0.000996
1084.29	0.48485	0.002088
1084.77	0.248741	0.002066
1085.25	0.0616719	0.001097
1085.74	0.0486409	0.001146
1086.22	0.0598028	0.000555
1086.7	0.0150209	0.000879
1087.18	0.0140232	0.000731
1087.66	0.0160498	0.000551
1088.15	0.022903	0.000558
1088.63	0.0579913	0.000828
1089.11	0.118707	0.00103
1089.59	0.0387458	0.000668
1090.07	0.0137092	0.000767
1090.56	0.0167741	0.000706
1091.04	0.0357697	0.000532
1091.52	0.0707056	0.000985
1092	0.0335901	0.001049
1092.48	0.0210845	0.000504
1092.97	0.041778	0.000607
1093.45	0.0877199	0.000743
1093.93	0.0473184	0.000521
1094.41	0.0720695	0.000497
1094.9	0.160534	0.000982
1095.38	0.0682391	0.000967
1095.86	0.10624	0.000813
1096.34	0.0774634	0.000732
1096.82	0.0447516	0.000977

Ammonia

1.835 Mole %

A03NH3

D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0133424	0.00064
1097.79	0.0124653	0.00101
1098.27	0.0091531	0.000651
1098.75	0.0058482	0.00092
1099.23	0.0094353	0.000775
1099.72	0.0105553	0.000708
1100.2	0.0099001	0.000717
1100.68	0.0119666	0.000736
1101.16	0.0203137	0.000441
1101.64	0.0267591	0.000549
1102.13	0.0517895	0.000416
1102.61	0.136779	0.001078
1103.09	0.351478	0.001688
1103.57	0.24361	0.001838
1104.05	0.0645447	0.000696
1104.54	0.0278724	0.000811
1105.02	0.013473	0.000763
1105.5	0.0091579	0.000432
1105.98	0.0082331	0.000705
1106.46	0.0099937	0.000573
1106.95	0.0150869	0.000643
1107.43	0.0297454	0.001114
1107.91	0.0382698	0.000695
1108.39	0.0117784	0.000656
1108.87	0.0099546	0.000735
1109.36	0.011645	0.000337
1109.84	0.0294014	0.000887
1110.32	0.0651485	0.001112
1110.8	0.0537547	0.000964
1111.28	0.0139131	0.000523
1111.77	0.0141577	0.000721
1112.25	0.0260593	0.000546
1112.73	0.0526634	0.00045
1113.21	0.0161885	0.000837
1113.7	0.0174462	0.000633
1114.18	0.0330719	0.00045
1114.66	0.0647824	0.000648
1115.14	0.0319228	0.000384
1115.62	0.0649501	0.000715
1116.11	0.0808234	0.000741
1116.59	0.069177	0.000831
1117.07	0.0947784	0.000488
1117.55	0.130098	0.000688
1118.03	0.0116872	0.000683
1118.52	0.0096379	0.000336

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0090635	0.000464
1119.48	0.0132282	0.000482
1119.96	0.0164534	0.000679
1120.44	0.0244392	0.000477
1120.93	0.058062	0.000831
1121.41	0.158626	0.001081
1121.89	0.386813	0.001471
1122.37	0.117215	0.001095
1122.85	0.0291208	0.00091
1123.34	0.0155177	0.000692
1123.82	0.0103496	0.000554
1124.3	0.0068441	0.000509
1124.78	0.0083394	0.000615
1125.26	0.0139734	0.000821
1125.75	0.0251323	0.00052
1126.23	0.0120866	0.000465
1126.71	0.0046864	0.000337
1127.19	0.0030021	0.0005
1127.67	0.0048515	0.000461
1128.16	0.007456	0.000573
1128.64	0.0159229	0.000415
1129.12	0.0332476	0.000786
1129.6	0.0086231	0.000619
1130.09	0.0062727	0.000583
1130.57	0.0085132	0.000645
1131.05	0.0198123	0.000514
1131.53	0.0407398	0.00044
1132.01	0.0251366	0.000666
1132.5	0.0086314	0.000681
1132.98	0.0097182	0.000691
1133.46	0.0178433	0.000559
1133.94	0.0293635	0.000694
1134.42	0.0114593	0.000685
1134.91	0.0175303	0.00053
1135.39	0.0371145	0.000686
1135.87	0.0183837	0.000689
1136.35	0.0357313	0.000485
1136.83	0.0478482	0.000543
1137.32	0.0395281	0.000675
1137.8	0.03684	0.000597
1138.28	0.0173342	0.000588
1138.76	0.0206598	0.000509
1139.24	0.0364317	0.000784
1139.73	0.0754693	0.000865
1140.21	0.182426	0.00114

Ammonia

1.835 Mole %

A03NH3
D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.183437	0.001588
1141.17	0.0233215	0.000798
1141.65	0.0120324	0.000606
1142.14	0.0082955	0.000579
1142.62	0.0065976	0.000376
1143.1	0.0127079	0.000457
1143.58	0.0226663	0.000703
1144.06	0.0127537	0.000452
1144.55	0.0038911	0.000495
1145.03	0.0040595	0.000505
1145.51	0.0035456	0.000332
1145.99	0.0047601	0.000543
1146.48	0.0045209	0.000504
1146.96	0.0097725	0.000482
1147.44	0.0175986	0.00041
1147.92	0.0041126	0.000489
1148.4	0.0022249	0.000484
1148.89	0.0040755	0.000367
1149.37	0.0052393	0.000591
1149.85	0.0098108	0.000747
1150.33	0.0176476	0.000513
1150.81	0.0033529	0.000432
1151.3	0.0033958	0.000695
1151.78	0.0069452	0.000422
1152.26	0.0146214	0.000696
1152.74	0.0295471	0.000544
1153.22	0.0050957	0.000639
1153.71	0.0059858	0.000482
1154.19	0.0087141	0.000353
1154.67	0.0170283	0.000354
1155.15	0.0076782	0.000444
1155.63	0.0137491	0.000532
1156.12	0.0264443	0.000574
1156.6	0.0230608	0.00033
1157.08	0.0351047	0.00049
1157.56	0.0311777	0.000611
1158.04	0.0824981	0.000545
1158.53	0.18064	0.000868
1159.01	0.171868	0.001147
1159.49	0.0160496	0.000508
1159.97	0.0064693	0.000502
1160.45	0.0046614	0.000358
1160.94	0.0048042	0.000405
1161.42	0.0089701	0.000728
1161.9	0.0026757	0.000434

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0011433	0.000282
1162.86	0.0019316	0.000562
1163.35	0.0026598	0.000434
1163.83	0.0041781	0.000432
1164.31	0.0039049	0.000386
1164.79	0.0078368	0.000532
1165.28	0.0159997	0.000347
1165.76	0.0037221	0.000574
1166.24	0.0024187	0.00069
1166.72	0.0021668	0.000558
1167.2	0.003159	0.000509
1167.69	0.0029118	0.000254
1168.17	0.0039365	0.000621
1168.65	0.0092351	0.000577
1169.13	0.0039152	0.000495
1169.61	0.0028439	0.000428
1170.1	0.0037735	0.000569
1170.58	0.0038199	0.000399
1171.06	0.0062866	0.000531
1171.54	0.0066229	0.000347
1172.02	0.0042288	0.000447
1172.51	0.0050527	0.000506
1172.99	0.0119093	0.000391
1173.47	0.0169072	0.000391
1173.95	0.0051496	0.000624
1174.43	0.0074418	0.000891
1174.92	0.0094377	0.000337
1175.4	0.0106913	0.000449
1175.88	0.0215215	0.000431
1176.36	0.0603133	0.000605
1176.84	0.131481	0.00054
1177.33	0.0385768	0.000795
1177.81	0.0101247	0.000431
1178.29	0.0123531	0.000438
1178.77	0.0074134	0.000439
1179.25	0.0031949	0.000309
1179.74	0.003237	0.000474
1180.22	0.0022293	0.000353
1180.7	0.0013813	0.000449
1181.18	0.0018683	0.00054
1181.67	0.0018985	0.000591
1182.15	0.0009466	0.00033
1182.63	0.0036232	0.000465
1183.11	0.0044648	0.000364
1183.59	0.0021725	0.000406

Ammonia

1.835 Mole %

A03NH3
D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.002505	0.00057
1184.56	0.0018113	0.000487
1185.04	0.0018815	0.000365
1185.52	0.003444	0.000411
1186	0.0037337	0.000388
1186.49	0.0069698	0.000533
1186.97	0.0047542	0.000309
1187.45	0.001819	0.000319
1187.93	0.0020352	0.000554
1188.41	0.0019754	0.000377
1188.9	0.0028666	0.000399
1189.38	0.0040737	0.000314
1189.86	0.0043721	0.00028
1190.34	0.0022274	0.000513
1190.82	0.0034807	0.000386
1191.31	0.0043132	0.000635
1191.79	0.0038201	0.000394
1192.27	0.0037009	0.000331
1192.75	0.0044031	0.00049
1193.23	0.0072084	0.000335
1193.72	0.011459	0.000437
1194.2	0.0260961	0.000529
1194.68	0.0601543	0.00064
1195.16	0.0406501	0.000447
1195.64	0.0114949	0.000582
1196.13	0.0039133	0.000414
1196.61	0.0049371	0.000486
1197.09	0.003646	0.0006
1197.57	0.0076724	0.000455
1198.06	0.006708	0.000714
1198.54	0.0057615	0.000303
1199.02	0.0017711	0.000374
1199.5	0.001928	0.000359
1199.98	0.0015533	0.000271
1200.47	0.0027969	0.000309
1200.95	0.0023862	0.00064
1201.43	0.0020466	0.000391
1201.91	0.0011237	0.000511
1202.39	0.0023059	0.000388
1202.88	0.0013863	0.000325
1203.36	0.002283	0.000289
1203.84	0.0020989	0.000477
1204.32	0.0038099	0.000477
1204.8	0.0021627	0.000388
1205.29	0.0018765	0.000525

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.00288	0.000405
1206.25	0.0005691	0.000273
1206.73	0.0023775	0.000479
1207.21	0.0025506	0.000324
1207.7	0.0032771	0.000417
1208.18	0.001301	0.000518
1208.66	0.0024955	0.000286
1209.14	0.0020738	0.000491
1209.62	0.003012	0.000453
1210.11	0.0035137	0.000444
1210.59	0.0038796	0.000516
1211.07	0.0042316	0.000315
1211.55	0.0073599	0.000475
1212.03	0.0171296	0.000448
1212.52	0.0303293	0.000421
1213	0.0110957	0.000377
1213.48	0.0057416	0.000379
1213.96	0.0038211	0.000326
1214.45	0.0011347	0.000346
1214.93	0.0014438	0.000421
1215.41	0.0013333	0.000507
1215.89	0.0023476	0.000287
1216.37	0.0025511	0.000356
1216.86	0.0027564	0.000557
1217.34	0.0043342	0.000438
1217.82	0.0024506	0.000284
1218.3	0.0026236	0.000357
1218.78	0.003387	0.000618
1219.27	0.0018456	0.00049
1219.75	0.0011378	0.00027
1220.23	0.0011462	0.000396
1220.71	0.0017249	0.000459
1221.19	0.0011634	0.000544
1221.68	0.0010076	0.000358
1222.16	0.0018375	0.000477
1222.64	0.0016347	0.000552
1223.12	0.0012465	0.000365
1223.6	0.0022704	0.000382
1224.09	0.0028219	0.000559
1224.57	0.0028907	0.000403
1225.05	0.0036221	0.000338
1225.53	0.003133	0.000422
1226.01	0.0016818	0.000335
1226.5	0.001629	0.000264
1226.98	0.0013122	0.000441

Ammonia

1.835 Mole %

A03NH3

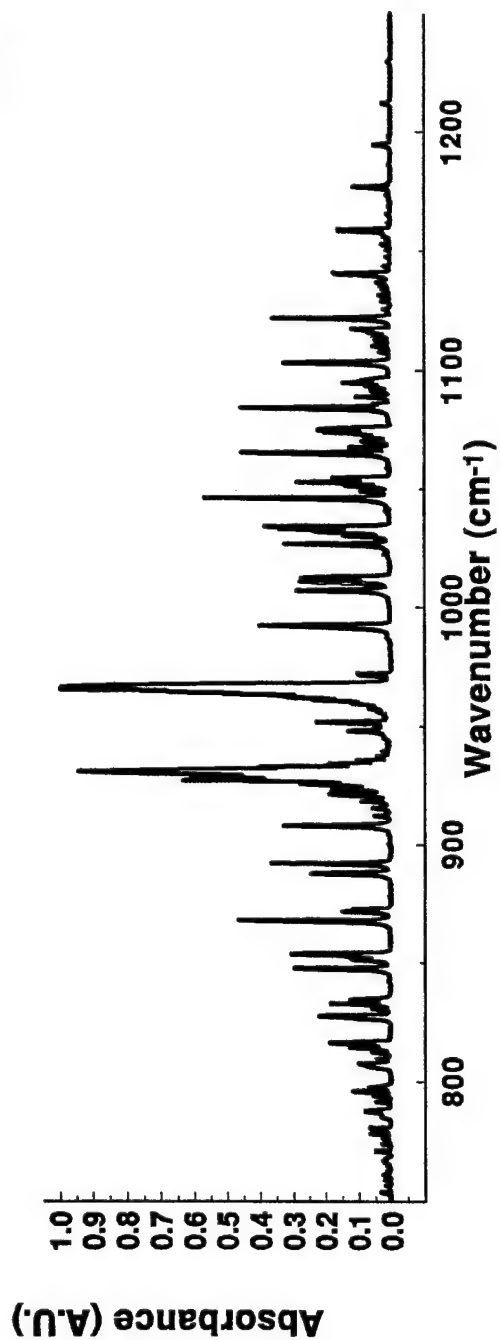
D03NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0020823	0.000364
1227.94	0.0021206	0.000382
1228.42	0.0022128	0.000439
1228.91	0.0032001	0.00026
1229.39	0.005278	0.000173
1229.87	0.0124864	0.000311
1230.35	0.0113998	0.000491
1230.83	0.0039569	0.000492
1231.32	0.0018797	0.000312
1231.8	0.0023632	0.000275
1232.28	0.0016164	0.000363
1232.76	0.0018748	0.000338
1233.25	0.0022544	0.000321
1233.73	0.0022359	0.000221
1234.21	0.0020537	0.000524
1234.69	0.0008349	0.000405
1235.17	0.0016609	0.000426
1235.66	0.0018251	0.000222
1236.14	0.0017648	0.000152
1236.62	0.0017467	0.000254
1237.1	0.0021282	0.000418
1237.58	0.0019474	0.000247
1238.07	0.0016039	0.000343
1238.55	0.0027838	0.000282
1239.03	0.0026995	0.000334
1239.51	0.0021294	0.000468
1239.99	0.002392	0.000396
1240.48	0.001742	0.000493
1240.96	0.000858	0.000479
1241.44	0.0016414	0.000388
1241.92	0.0022224	0.000312
1242.4	0.0013836	0.000364
1242.89	0.0013872	0.000415
1243.37	0.0021326	0.000383
1243.85	0.0028816	0.000427
1244.33	0.0029991	0.000178
1244.81	0.0032557	0.000476
1245.3	0.0015358	0.000495
1245.78	0.0022094	0.000358
1246.26	0.0029978	0.000409
1246.74	0.0025165	0.000281
1247.22	0.0049739	0.000341
1247.71	0.0043388	0.00039
1248.19	0.0024861	0.000194
1248.67	0.0014766	0.000611

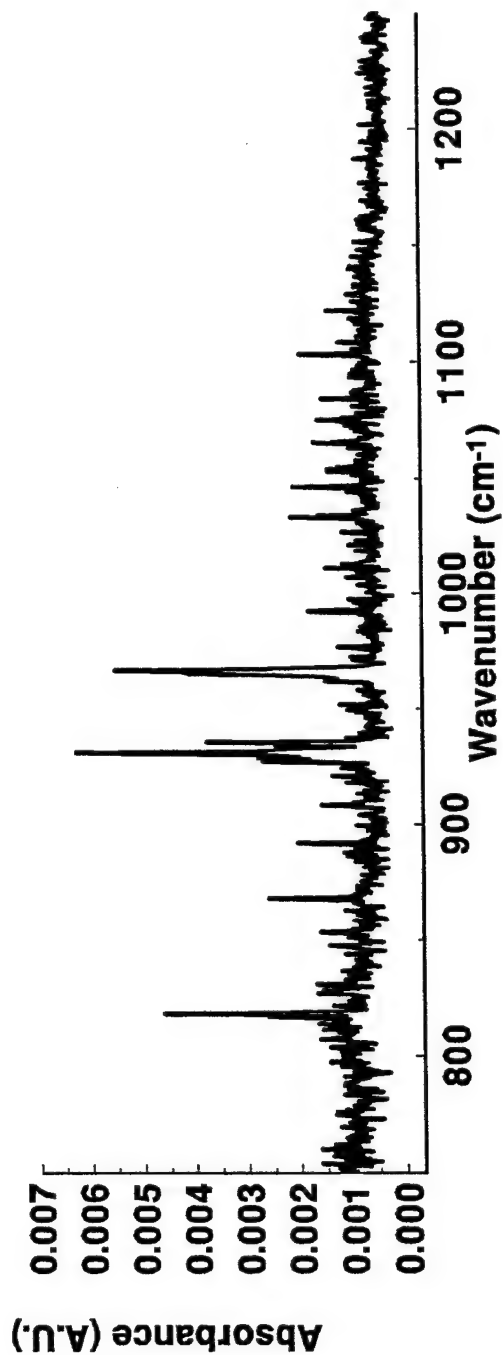
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0008333	0.000364
1249.63	0.001189	0.000462
1250.12	0.0020454	0.000408

A3RHH3
N=10

1.835 Mole %



D3RHH3



Ammonia

1.835 Mole %

A3RNH3
D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0032788	0.000959
750.677	0.0035456	0.001174
751.159	0.0027792	0.001214
751.641	0.0053787	0.001293
752.123	0.0015246	0.001256
752.605	0.0056883	0.000695
753.087	0.0121957	0.000704
753.57	0.0307823	0.001596
754.052	0.003313	0.000799
754.534	0.0047695	0.000504
755.016	0.0073995	0.000857
755.498	0.0106935	0.001175
755.98	0.006899	0.000717
756.462	0.0172919	0.001136
756.944	0.003117	0.001394
757.426	0.002117	0.000859
757.909	0.005038	0.000934
758.391	0.010104	0.001357
758.873	0.0204359	0.000668
759.355	0.0030526	0.000857
759.837	0.0076226	0.001604
760.319	0.019038	0.001052
760.801	0.0243007	0.000894
761.283	0.0091343	0.001016
761.766	0.0167755	0.00136
762.248	0.0071218	0.001183
762.73	0.0134138	0.000952
763.212	0.0044211	0.000752
763.694	0.0053699	0.000905
764.176	0.012079	0.001108
764.658	0.0126695	0.001139
765.14	0.0075766	0.000698
765.622	0.0125898	0.001077
766.105	0.0216546	0.000914
766.587	0.0183114	0.000781
767.069	0.0260852	0.000963
767.551	0.0207602	0.00081
768.033	0.0175442	0.000794
768.515	0.0039748	0.00065
768.997	0.0022207	0.001015
769.479	0.0048573	0.001234
769.961	0.0086156	0.000861
770.444	0.0204834	0.000914
770.926	0.0465512	0.000792
771.408	0.0052371	0.001091

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0052595	0.000814
772.372	0.0057722	0.00083
772.854	0.0028237	0.000453
773.336	0.0095615	0.001036
773.818	0.0288796	0.001018
774.301	0.0057124	0.000939
774.783	0.0082595	0.001322
775.265	0.0105891	0.001129
775.747	0.0103567	0.001313
776.229	0.0273917	0.000867
776.711	0.0104274	0.001155
777.193	0.0107867	0.000648
777.675	0.020746	0.000915
778.157	0.0648743	0.00083
778.64	0.0099694	0.001003
779.122	0.0183465	0.000854
779.604	0.0506822	0.000727
780.086	0.0519545	0.000904
780.568	0.0649875	0.000915
781.05	0.0054769	0.000517
781.532	0.0046079	0.000402
782.014	0.0046471	0.000753
782.497	0.002498	0.000828
782.979	0.0054167	0.000794
783.461	0.0053745	0.00117
783.943	0.0049911	0.000772
784.425	0.0107517	0.00047
784.907	0.0255161	0.000953
785.389	0.0318104	0.001107
785.871	0.0300741	0.000578
786.353	0.0306706	0.00096
786.836	0.0352961	0.000924
787.318	0.0555268	0.001178
787.8	0.0803503	0.001049
788.282	0.0598467	0.001158
788.764	0.0134747	0.001052
789.246	0.0054592	0.000929
789.728	0.0056237	0.001001
790.21	0.0062635	0.000764
790.692	0.0054277	0.000719
791.175	0.017362	0.001166
791.657	0.0474506	0.000714
792.139	0.0051802	0.000453
792.621	0.0034159	0.000324
793.103	0.0034305	0.001007

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0172115	0.000557
794.067	0.0562473	0.000882
794.549	0.0118623	0.000696
795.032	0.0107069	0.000997
795.514	0.0395548	0.001225
795.996	0.115786	0.001122
796.478	0.0155229	0.000934
796.96	0.0293331	0.00074
797.442	0.0681949	0.001433
797.924	0.0454635	0.000874
798.406	0.0265508	0.001218
798.888	0.0092254	0.001172
799.371	0.0021366	0.001029
799.853	0.0030372	0.00104
800.335	0.0043544	0.001206
800.817	0.0035341	0.000885
801.299	0.0015104	0.000992
801.781	0.0026247	0.001237
802.263	0.0039294	0.001189
802.745	0.0021879	0.000661
803.227	0.0038272	0.000903
803.71	0.0043611	0.001434
804.192	0.0079327	0.00121
804.674	0.0072041	0.001027
805.156	0.0174	0.000607
805.638	0.0384442	0.000696
806.12	0.0709191	0.001126
806.602	0.0599056	0.001039
807.084	0.080144	0.001612
807.567	0.0991612	0.001459
808.049	0.0209229	0.001132
808.531	0.0126615	0.001091
809.013	0.0156211	0.001016
809.495	0.0441797	0.000991
809.977	0.0158111	0.001279
810.459	0.0093399	0.000941
810.941	0.0078524	0.00112
811.423	0.0129969	0.001575
811.906	0.0416569	0.001208
812.388	0.0600916	0.000892
812.87	0.0172673	0.001369
813.352	0.0278701	0.001242
813.834	0.082019	0.001652
814.316	0.127082	0.0012
814.798	0.0404754	0.001114

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0784854	0.001175
815.762	0.0875814	0.001062
816.245	0.186812	0.001724
816.727	0.134228	0.002616
817.209	0.0175094	0.001147
817.691	0.008031	0.001515
818.173	0.0093637	0.004608
818.655	0.0044528	0.002448
819.137	0.0055155	0.001343
819.619	0.0040961	0.000972
820.102	0.0039603	0.000778
820.584	0.00686	0.00087
821.066	0.0048097	0.00102
821.548	0.0030798	0.001373
822.03	0.0036213	0.000785
822.512	0.0067022	0.000815
822.994	0.0045362	0.000911
823.476	0.0034096	0.001092
823.959	0.0041381	0.000812
824.441	0.0057239	0.000862
824.923	0.0079454	0.001006
825.405	0.0154186	0.000742
825.887	0.0338361	0.00092
826.369	0.0987032	0.001053
826.851	0.122668	0.001672
827.333	0.2195	0.001278
827.816	0.189022	0.001364
828.298	0.0165972	0.001575
828.78	0.0123574	0.000919
829.262	0.0115676	0.000962
829.744	0.0123139	0.000659
830.226	0.0371512	0.001195
830.708	0.0606767	0.001687
831.19	0.0167639	0.000982
831.672	0.0273928	0.000973
832.155	0.0851264	0.00108
832.637	0.18439	0.001154
833.119	0.0397858	0.000712
833.601	0.0747658	0.000999
834.083	0.126543	0.00107
834.565	0.113576	0.000934
835.047	0.0398131	0.001088
835.529	0.0134152	0.000678
836.011	0.0076977	0.000932
836.494	0.0056625	0.0012

Ammonia

1.835 Mole %

A3RNH3
D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0050414	0.000798
837.458	0.0043141	0.000908
837.94	0.004559	0.000996
838.422	0.004292	0.000521
838.904	0.0031316	0.000723
839.386	0.0048474	0.000931
839.868	0.0022713	0.00084
840.351	0.0025191	0.000667
840.833	0.0026277	0.000755
841.315	0.0054253	0.000944
841.797	0.0072213	0.000767
842.279	0.0103114	0.00076
842.761	0.006674	0.000784
843.243	0.0057407	0.000666
843.725	0.0070607	0.001136
844.207	0.0062896	0.000741
844.69	0.0079993	0.000634
845.172	0.01159	0.000423
845.654	0.0165218	0.000788
846.136	0.0279321	0.000901
846.618	0.067299	0.001045
847.1	0.201499	0.001211
847.582	0.295029	0.001437
848.064	0.05261	0.000677
848.546	0.017773	0.000742
849.029	0.01558	0.000447
849.511	0.0166175	0.000871
849.993	0.02052	0.000732
850.475	0.0389381	0.000819
850.957	0.113408	0.001091
851.439	0.12478	0.00085
851.921	0.0622532	0.000724
852.403	0.128892	0.00093
852.886	0.150194	0.001313
853.368	0.304085	0.001605
853.85	0.254797	0.000984
854.332	0.0326444	0.00065
854.814	0.0127283	0.001002
855.296	0.0073124	0.000623
855.778	0.0045894	0.000829
856.26	0.0044247	0.00052
856.742	0.0037708	0.000847
857.225	0.0036909	0.000867
857.707	0.0054829	0.000621
858.189	0.0042154	0.000963

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0025681	0.00038
859.153	0.004075	0.000455
859.635	0.0033109	0.000643
860.117	0.0054433	0.000576
860.599	0.0023524	0.000906
861.081	0.0024154	0.0006
861.564	0.0056493	0.000769
862.046	0.0048835	0.000925
862.528	0.0055313	0.001136
863.01	0.005535	0.000597
863.492	0.0037828	0.000536
863.974	0.0049205	0.000433
864.456	0.0049108	0.000817
864.938	0.0097636	0.000871
865.421	0.0163782	0.000821
865.903	0.023328	0.000986
866.385	0.0370636	0.000803
866.867	0.0850686	0.000867
867.349	0.287801	0.001888
867.831	0.462836	0.002592
868.313	0.0648011	0.000854
868.795	0.0240483	0.001038
869.277	0.0125578	0.000798
869.76	0.0121325	0.000951
870.242	0.0123805	0.00067
870.724	0.021939	0.000673
871.206	0.0592396	0.000856
871.688	0.148367	0.000913
872.17	0.1013	0.00073
872.652	0.115797	0.000906
873.134	0.0156724	0.000921
873.617	0.0078242	0.000461
874.099	0.0047089	0.000674
874.581	0.0024113	0.000671
875.063	0.0020214	0.000831
875.545	0.0020221	0.000811
876.027	0.0023146	0.000669
876.509	0.0023064	0.000569
876.991	0.0017295	0.00059
877.474	0.0017165	0.000545
877.956	0.0052007	0.000812
878.438	0.0040525	0.00043
878.92	0.0010679	0.000614
879.402	0.0030663	0.000623
879.884	0.0040258	0.000666

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0041144	0.000512
880.848	0.0008884	0.000339
881.33	0.002131	0.000775
881.813	0.0028369	0.00066
882.295	0.0037161	0.000738
882.777	0.0033466	0.000681
883.259	0.0023961	0.000507
883.741	0.0044901	0.000943
884.223	0.005725	0.000579
884.705	0.0051758	0.000341
885.187	0.0082529	0.000894
885.669	0.0134596	0.000749
886.152	0.0203099	0.00109
886.634	0.0314485	0.00056
887.116	0.0825448	0.000703
887.598	0.245354	0.001143
888.08	0.234171	0.000939
888.562	0.0314603	0.000944
889.044	0.0168038	0.000348
889.526	0.0128844	0.000943
890.009	0.0171136	0.000501
890.491	0.022602	0.000607
890.973	0.0444544	0.000826
891.455	0.146165	0.001013
891.937	0.365547	0.002037
892.419	0.0787077	0.000572
892.901	0.0200088	0.000822
893.383	0.009682	0.000724
893.865	0.0062205	0.000549
894.348	0.0062279	0.000643
894.83	0.0044062	0.00057
895.312	0.0021701	0.000352
895.794	0.0035835	0.000607
896.276	0.0042784	0.000558
896.758	0.0011821	0.000378
897.24	0.0018138	0.00071
897.722	0.0022839	0.000583
898.204	0.0038492	0.000587
898.687	0.0012681	0.000392
899.169	0.0033234	0.00073
899.651	0.0036938	0.000908
900.133	0.0071904	0.000487
900.615	0.0056755	0.000358
901.097	0.0037264	0.000617
901.579	0.0043962	0.000534

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0040854	0.000647
902.544	0.0059721	0.000381
903.026	0.0058258	0.000491
903.508	0.0049468	0.000639
903.99	0.0075976	0.000851
904.472	0.011035	0.000812
904.954	0.0111718	0.000584
905.436	0.0107977	0.000428
905.918	0.0183773	0.000491
906.4	0.0254401	0.000536
906.883	0.0383839	0.000423
907.365	0.102622	0.000948
907.847	0.327324	0.000993
908.329	0.216731	0.001569
908.811	0.0474404	0.0008
909.293	0.0187059	0.000977
909.775	0.0110466	0.000891
910.257	0.0087817	0.000442
910.739	0.008383	0.000695
911.222	0.00872	0.000748
911.704	0.0211157	0.00053
912.186	0.0495295	0.000575
912.668	0.0153985	0.000515
913.15	0.0111783	0.00089
913.632	0.0075422	0.000612
914.114	0.0102738	0.000333
914.596	0.0144758	0.000769
915.079	0.0243342	0.000561
915.561	0.0565837	0.000605
916.043	0.0212627	0.000515
916.525	0.0223889	0.000437
917.007	0.015071	0.000733
917.489	0.0186375	0.000516
917.971	0.039138	0.001101
918.453	0.0917955	0.000345
918.935	0.0329717	0.000962
919.418	0.0286797	0.000598
919.9	0.0284534	0.000704
920.382	0.0565245	0.000765
920.864	0.149733	0.001363
921.346	0.188071	0.000772
921.828	0.0690276	0.000638
922.31	0.0464427	0.000591
922.792	0.0776576	0.000781
923.275	0.1826	0.000901

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.16934	0.000722
924.239	0.0901247	0.001195
924.721	0.092976	0.00084
925.203	0.194985	0.001148
925.685	0.277648	0.001076
926.167	0.156986	0.000707
926.649	0.250839	0.001327
927.132	0.632024	0.002703
927.614	0.386325	0.001984
928.096	0.392429	0.001811
928.578	0.610115	0.002786
929.06	0.542501	0.002007
929.542	0.456161	0.00232
930.024	0.715853	0.002741
930.506	0.878841	0.00513
930.988	0.940824	0.006291
931.471	0.809649	0.002925
931.953	0.595539	0.002604
932.435	0.353581	0.002168
932.917	0.398518	0.001314
933.399	0.134591	0.000946
933.881	0.185485	0.002473
934.363	0.185975	0.002308
934.845	0.0657203	0.001863
935.328	0.0808039	0.003764
935.81	0.103856	0.000973
936.292	0.0247725	0.000812
936.774	0.0296041	0.000613
937.256	0.0424554	0.001099
937.738	0.0254643	0.000342
938.22	0.0132161	0.000495
938.702	0.0216368	0.000505
939.184	0.0253826	0.000845
939.667	0.0115478	0.000798
940.149	0.0117084	0.000384
940.631	0.0133956	0.000621
941.113	0.0116792	0.000254
941.595	0.007971	0.000667
942.077	0.0073658	0.000725
942.559	0.0141532	0.000703
943.041	0.0090493	0.000594
943.523	0.0080633	0.000667
944.006	0.0115698	0.000415
944.488	0.0142887	0.000452
944.97	0.0224881	0.000509

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0215028	0.000548
945.934	0.0241204	0.00073
946.416	0.026938	0.000488
946.898	0.0286099	0.00054
947.38	0.0528321	0.000736
947.863	0.131355	0.000458
948.345	0.127403	0.000905
948.827	0.0397305	0.000753
949.309	0.0528038	0.001072
949.791	0.0326384	0.000752
950.273	0.0348832	0.000695
950.755	0.0445917	0.000352
951.237	0.108418	0.000367
951.719	0.226803	0.001212
952.202	0.0349782	0.000677
952.684	0.0199303	0.000691
953.166	0.0193523	0.000428
953.648	0.0160634	0.000536
954.13	0.0235562	0.00053
954.612	0.0230887	0.000566
955.094	0.022169	0.000667
955.576	0.0292778	0.000473
956.058	0.043731	0.000757
956.541	0.0333791	0.000748
957.023	0.0393209	0.000388
957.505	0.0668816	0.000741
957.987	0.0683037	0.00087
958.469	0.0537824	0.000639
958.951	0.0815665	0.000606
959.433	0.119565	0.000736
959.915	0.103802	0.000732
960.398	0.134221	0.000614
960.88	0.239562	0.000682
961.362	0.174681	0.00092
961.844	0.294254	0.001492
962.326	0.327169	0.001264
962.808	0.297814	0.001269
963.29	0.509515	0.001456
963.772	0.460902	0.001493
964.254	0.680244	0.002222
964.737	0.68497	0.002956
965.219	0.997752	0.004133
965.701	0.7925	0.004201
966.183	0.994206	0.004155
966.665	0.903956	0.005531

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.808273	0.002792
967.629	0.500486	0.001892
968.111	0.155092	0.000972
968.594	0.0435697	0.000665
969.076	0.0237741	0.000599
969.558	0.0153532	0.00039
970.04	0.0149158	0.000618
970.522	0.0171935	0.000753
971.004	0.0359756	0.000963
971.486	0.0962554	0.00072
971.968	0.100838	0.000551
972.45	0.0124494	0.001003
972.933	0.0042097	0.000589
973.415	0.0018037	0.000556
973.897	-0.0009792	0.00059
974.379	0.0016702	0.000615
974.861	0.0019424	0.000493
975.343	0.0013653	0.000454
975.825	0.000228	0.000866
976.307	-0.0000146	0.00047
976.79	0.0026654	0.001237
977.272	-0.0003849	0.000625
977.754	0.0002059	0.000404
978.236	0.0026503	0.000422
978.718	0.0017751	0.00057
979.2	0.0013048	0.000555
979.682	0.0018537	0.000524
980.164	0.0027383	0.000599
980.646	0.0026643	0.00051
981.129	0.0008758	0.000672
981.611	0.0022266	0.000508
982.093	0.0030564	0.000588
982.575	0.0026738	0.00075
983.057	0.0037326	0.000536
983.539	0.0034492	0.000854
984.021	0.0027091	0.000262
984.503	0.0019461	0.00061
984.986	0.0039694	0.000731
985.468	0.0050337	0.000806
985.95	0.0042445	0.000762
986.432	0.0060764	0.000346
986.914	0.009192	0.000719
987.396	0.012952	0.000377
987.878	0.0137114	0.000687
988.36	0.0146312	0.000678

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0124371	0.000444
989.325	0.0139126	0.000713
989.807	0.0200364	0.000419
990.289	0.0299362	0.000467
990.771	0.0570137	0.000828
991.253	0.137273	0.000611
991.735	0.272166	0.001065
992.217	0.399301	0.001805
992.699	0.337679	0.001564
993.181	0.0434146	0.000574
993.664	0.0138508	0.000615
994.146	0.0058205	0.000538
994.628	0.005277	0.000807
995.11	0.0047723	0.000434
995.592	0.0043897	0.000553
996.074	0.0036068	0.000929
996.556	0.0052649	0.000619
997.038	0.0058262	0.00035
997.521	0.0038781	0.001034
998.003	0.0039329	0.00043
998.485	0.0033476	0.000501
998.967	0.0041264	0.000221
999.449	0.0055339	0.00055
999.931	0.0060601	0.000463
1000.41	0.0050508	0.000693
1000.89	0.0061433	0.000604
1001.37	0.0061233	0.000617
1001.86	0.0067984	0.000559
1002.34	0.0076446	0.00065
1002.82	0.0092207	0.000353
1003.3	0.0102368	0.000549
1003.78	0.0096413	0.000852
1004.27	0.012005	0.000731
1004.75	0.0161187	0.000555
1005.23	0.0227628	0.000657
1005.71	0.030766	0.000472
1006.19	0.0446185	0.000576
1006.68	0.108993	0.000547
1007.16	0.288435	0.001076
1007.64	0.234061	0.000873
1008.12	0.0393991	0.000828
1008.6	0.0229548	0.000592
1009.09	0.0210629	0.000539
1009.57	0.024406	0.000882
1010.05	0.0449152	0.000298

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.11313	0.000826
1011.02	0.276772	0.001467
1011.5	0.0934711	0.000468
1011.98	0.145401	0.000872
1012.46	0.273846	0.000928
1012.94	0.224335	0.001148
1013.43	0.0514501	0.000827
1013.91	0.0097681	0.000811
1014.39	0.0063706	0.000544
1014.87	0.0049526	0.000673
1015.35	0.0046908	0.000588
1015.84	0.0044393	0.00065
1016.32	0.0038145	0.000457
1016.8	0.0029527	0.000533
1017.28	0.0025688	0.000591
1017.77	0.0034718	0.000473
1018.25	0.0032036	0.000623
1018.73	0.0034593	0.000887
1019.21	0.0045988	0.000629
1019.69	0.0039579	0.000581
1020.18	0.0054252	0.000555
1020.66	0.0070873	0.000421
1021.14	0.0096263	0.001028
1021.62	0.0096859	0.000416
1022.1	0.0116634	0.000732
1022.59	0.0204521	0.000501
1023.07	0.0157512	0.000889
1023.55	0.0098707	0.000473
1024.03	0.0122276	0.000637
1024.52	0.0196918	0.000638
1025	0.0201053	0.000501
1025.48	0.0251149	0.000502
1025.96	0.0546536	0.000676
1026.44	0.148707	0.001054
1026.93	0.323255	0.001154
1027.41	0.0452289	0.00049
1027.89	0.0202008	0.000698
1028.37	0.0164806	0.000607
1028.85	0.0191602	0.000402
1029.34	0.0329565	0.000763
1029.82	0.0728108	0.000495
1030.3	0.144196	0.000695
1030.78	0.0481032	0.000859
1031.26	0.0929762	0.000565
1031.75	0.223238	0.000874

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.235849	0.000757
1032.71	0.144417	0.000893
1033.19	0.340263	0.002139
1033.67	0.304394	0.001127
1034.16	0.384166	0.001616
1034.64	0.0503607	0.000691
1035.12	0.0168563	0.000719
1035.6	0.0096164	0.000884
1036.08	0.005418	0.000932
1036.57	0.0069671	0.000859
1037.05	0.0059329	0.000506
1037.53	0.0064128	0.000489
1038.01	0.0053013	0.000676
1038.49	0.0050139	0.000587
1038.98	0.0078929	0.000479
1039.46	0.0090164	0.000694
1039.94	0.0073762	0.000756
1040.42	0.0109223	0.000695
1040.9	0.0171776	0.000542
1041.39	0.0049595	0.000767
1041.87	0.0095074	0.000703
1042.35	0.0126732	0.000532
1042.83	0.0166282	0.000806
1043.32	0.0183392	0.00072
1043.8	0.0220762	0.000603
1044.28	0.0312233	0.001063
1044.76	0.0486673	0.000809
1045.24	0.101579	0.0005
1045.73	0.261752	0.001221
1046.21	0.566427	0.002087
1046.69	0.165551	0.001533
1047.17	0.0443631	0.000744
1047.65	0.0229991	0.00078
1048.14	0.0230031	0.000521
1048.62	0.0439712	0.000388
1049.1	0.0923413	0.000628
1049.58	0.033343	0.000783
1050.06	0.0207977	0.00071
1050.55	0.0392814	0.000488
1051.03	0.0883047	0.000754
1051.51	0.139877	0.000956
1051.99	0.0541097	0.000978
1052.47	0.122116	0.000573
1052.96	0.287042	0.001416
1053.44	0.0956313	0.000953

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.15194	0.001425
1054.4	0.16392	0.000689
1054.88	0.175806	0.001245
1055.37	0.0204942	0.000575
1055.85	0.0090303	0.000675
1056.33	0.007254	0.000882
1056.81	0.007479	0.000696
1057.29	0.0044916	0.000793
1057.78	0.0037348	0.000879
1058.26	0.0072536	0.000551
1058.74	0.0110838	0.000696
1059.22	0.0045275	0.000571
1059.71	0.0072342	0.000493
1060.19	0.00883	0.000841
1060.67	0.0069002	0.000746
1061.15	0.0089459	0.000665
1061.63	0.010503	0.000532
1062.12	0.0108707	0.000664
1062.6	0.0155149	0.000446
1063.08	0.0211473	0.001027
1063.56	0.0290069	0.000592
1064.04	0.0427582	0.000589
1064.53	0.0968127	0.000617
1065.01	0.254133	0.001458
1065.49	0.454057	0.001696
1065.97	0.0810006	0.001002
1066.45	0.0298303	0.000848
1066.94	0.0332601	0.000655
1067.42	0.0645198	0.000826
1067.9	0.126752	0.000581
1068.38	0.0191057	0.000704
1068.86	0.0137774	0.000398
1069.35	0.0183267	0.000523
1069.83	0.0420365	0.000655
1070.31	0.0897939	0.000895
1070.79	0.0435143	0.000642
1071.27	0.0247185	0.00072
1071.76	0.0439861	0.000978
1072.24	0.0810801	0.000694
1072.72	0.0887267	0.00109
1073.2	0.0611539	0.000453
1073.68	0.12814	0.000754
1074.17	0.204864	0.00116
1074.65	0.0966679	0.000923
1075.13	0.22301	0.001609

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.217466	0.00081
1076.09	0.142815	0.001146
1076.58	0.0172198	0.000383
1077.06	0.0079801	0.00059
1077.54	0.0029187	0.000474
1078.02	0.005565	0.000861
1078.51	0.0092471	0.000559
1078.99	0.0108665	0.000362
1079.47	0.0093942	0.000443
1079.95	0.0094141	0.000328
1080.43	0.0094869	0.000757
1080.92	0.0113222	0.000936
1081.4	0.0130635	0.00068
1081.88	0.0162452	0.000776
1082.36	0.0247226	0.00056
1082.84	0.0354724	0.00045
1083.33	0.0707493	0.000602
1083.81	0.183841	0.000658
1084.29	0.455586	0.00153
1084.77	0.237433	0.000923
1085.25	0.0557417	0.000794
1085.74	0.0429274	0.000477
1086.22	0.0547561	0.000667
1086.7	0.0145002	0.00095
1087.18	0.0098676	0.000815
1087.66	0.0118406	0.000904
1088.15	0.0196965	0.000771
1088.63	0.0490081	0.000534
1089.11	0.105657	0.000696
1089.59	0.0346398	0.000615
1090.07	0.0099096	0.000594
1090.56	0.013494	0.000431
1091.04	0.03058	0.000669
1091.52	0.0624449	0.000539
1092	0.031056	0.000577
1092.48	0.0199158	0.000514
1092.97	0.0376283	0.000564
1093.45	0.0789573	0.000996
1093.93	0.0427552	0.000544
1094.41	0.0639458	0.000573
1094.9	0.144916	0.000979
1095.38	0.0600765	0.000637
1095.86	0.0922701	0.000547
1096.34	0.0692686	0.00093
1096.82	0.042222	0.000906

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0116207	0.000676
1097.79	0.0086519	0.000849
1098.27	0.0097451	0.000726
1098.75	0.0077775	0.000819
1099.23	0.00794	0.000448
1099.72	0.0089155	0.000786
1100.2	0.009456	0.000492
1100.68	0.0116855	0.00064
1101.16	0.0164945	0.000711
1101.64	0.0215607	0.000642
1102.13	0.0452089	0.000796
1102.61	0.127019	0.000868
1103.09	0.326977	0.001951
1103.57	0.233064	0.001437
1104.05	0.0568084	0.000601
1104.54	0.0234386	0.000622
1105.02	0.0095938	0.000824
1105.5	0.0079062	0.000945
1105.98	0.0083428	0.000715
1106.46	0.0064864	0.00061
1106.95	0.0116911	0.000617
1107.43	0.0265858	0.000656
1107.91	0.032551	0.000712
1108.39	0.00817	0.001194
1108.87	0.0086945	0.000629
1109.36	0.0107229	0.000658
1109.84	0.0227346	0.000551
1110.32	0.0551032	0.000508
1110.8	0.0497857	0.000855
1111.28	0.0113969	0.000703
1111.77	0.0112947	0.000609
1112.25	0.0234763	0.000627
1112.73	0.0486057	0.000779
1113.21	0.0132732	0.000497
1113.7	0.0142411	0.000807
1114.18	0.028111	0.000698
1114.66	0.0552082	0.000576
1115.14	0.0259947	0.000696
1115.62	0.0559786	0.000378
1116.11	0.0730278	0.000872
1116.59	0.0584342	0.000804
1117.07	0.0818162	0.000887
1117.55	0.117716	0.000921
1118.03	0.0100527	0.000614
1118.52	0.0068591	0.000995

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.008078	0.00077
1119.48	0.0107612	0.000697
1119.96	0.0140247	0.000585
1120.44	0.0218393	0.000538
1120.93	0.0519084	0.000863
1121.41	0.143465	0.00074
1121.89	0.360126	0.001421
1122.37	0.110021	0.000611
1122.85	0.0242549	0.000607
1123.34	0.012911	0.00047
1123.82	0.005691	0.000797
1124.3	0.0084537	0.000582
1124.78	0.0082447	0.000693
1125.26	0.0113101	0.000681
1125.75	0.0221262	0.000947
1126.23	0.0100327	0.000456
1126.71	0.0045022	0.000618
1127.19	0.002382	0.000601
1127.67	0.0015147	0.000649
1128.16	0.0057822	0.000707
1128.64	0.0138025	0.001043
1129.12	0.0268277	0.000884
1129.6	0.005949	0.000819
1130.09	0.0049671	0.000665
1130.57	0.005966	0.000776
1131.05	0.0155344	0.000463
1131.53	0.0352399	0.000545
1132.01	0.0233501	0.000893
1132.5	0.0068857	0.000602
1132.98	0.0080888	0.000893
1133.46	0.0148333	0.000464
1133.94	0.0238203	0.00051
1134.42	0.0086522	0.000525
1134.91	0.014288	0.000524
1135.39	0.0314938	0.00076
1135.87	0.0140657	0.00063
1136.35	0.028151	0.000871
1136.83	0.0421438	0.000587
1137.32	0.0331417	0.000531
1137.8	0.0297549	0.000658
1138.28	0.0154332	0.00059
1138.76	0.0185845	0.000852
1139.24	0.0339485	0.000601
1139.73	0.0677529	0.00099
1140.21	0.167693	0.000959

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.175365	0.000971
1141.17	0.0189951	0.000522
1141.65	0.0087034	0.000528
1142.14	0.0057998	0.000626
1142.62	0.0053966	0.00075
1143.1	0.0080221	0.000647
1143.58	0.0195454	0.000732
1144.06	0.0109694	0.000731
1144.55	0.0026892	0.000512
1145.03	0.002357	0.00093
1145.51	0.002671	0.000403
1145.99	0.0033394	0.000676
1146.48	0.0039365	0.000524
1146.96	0.0070216	0.000628
1147.44	0.0130008	0.000561
1147.92	0.002489	0.000813
1148.4	0.0028232	0.000592
1148.89	0.0021314	0.000451
1149.37	0.002816	0.000577
1149.85	0.0065573	0.000566
1150.33	0.0134838	0.000598
1150.81	0.0012265	0.000376
1151.3	0.0018907	0.000876
1151.78	0.0057542	0.000581
1152.26	0.0126931	0.000487
1152.74	0.0264641	0.000447
1153.22	0.0036304	0.00046
1153.71	0.0043486	0.000384
1154.19	0.0075766	0.000377
1154.67	0.0149544	0.00037
1155.15	0.005667	0.00047
1155.63	0.0089657	0.000351
1156.12	0.0216373	0.000592
1156.6	0.0200957	0.000606
1157.08	0.0284043	0.000756
1157.56	0.0245181	0.000477
1158.04	0.0721875	0.000747
1158.53	0.159659	0.000609
1159.01	0.159643	0.000797
1159.49	0.0147574	0.000592
1159.97	0.005529	0.000775
1160.45	0.0036455	0.000488
1160.94	0.004427	0.000822
1161.42	0.0071885	0.000361
1161.9	0.0005288	0.000651

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0011349	0.000744
1162.86	0.001252	0.000434
1163.35	-0.000418	0.000427
1163.83	0.0003916	0.000525
1164.31	0.0031852	0.000303
1164.79	0.0065647	0.000419
1165.28	0.0111622	0.000429
1165.76	0.0042771	0.000261
1166.24	0.002129	0.000315
1166.72	0.0020169	0.0006
1167.2	0.0009655	0.000353
1167.69	0.0025499	0.000619
1168.17	0.0043694	0.000445
1168.65	0.0069675	0.00035
1169.13	0.0006854	0.000733
1169.61	0.0008797	0.000439
1170.1	0.0007931	0.000449
1170.58	0.0018192	0.000411
1171.06	0.0052979	0.000509
1171.54	0.0051386	0.000588
1172.02	0.0029467	0.000483
1172.51	0.0053781	0.000539
1172.99	0.0092755	0.000439
1173.47	0.0137234	0.000438
1173.95	0.0037876	0.000421
1174.43	0.0067446	0.000655
1174.92	0.0080586	0.000477
1175.4	0.0091792	0.000442
1175.88	0.0181157	0.000517
1176.36	0.0515945	0.00027
1176.84	0.113651	0.000758
1177.33	0.0338353	0.000618
1177.81	0.0078664	0.00046
1178.29	0.0092983	0.000507
1178.77	0.0052691	0.000418
1179.25	0.0020967	0.000484
1179.74	0.0019683	0.000569
1180.22	0.0010325	0.000544
1180.7	0.0018735	0.000546
1181.18	0.0013304	0.000437
1181.67	0.0007048	0.000485
1182.15	0.0012285	0.000431
1182.63	0.0016308	0.000519
1183.11	0.0027618	0.000607
1183.59	0.0001591	0.00059

Ammonia

1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0001334	0.000513
1184.56	-0.000198	0.000357
1185.04	0.0014102	0.000598
1185.52	0.000941	0.000595
1186	0.0034905	0.000569
1186.49	0.0060091	0.000457
1186.97	0.0040242	0.00053
1187.45	0.0022799	0.000861
1187.93	0.0016068	0.000595
1188.41	0.0007269	0.00051
1188.9	0.0021307	0.00037
1189.38	0.0022121	0.000536
1189.86	0.0026981	0.000485
1190.34	0.0015615	0.000403
1190.82	0.0007225	0.000529
1191.31	-0.000115	0.000609
1191.79	0.0036581	0.000364
1192.27	0.0018879	0.000441
1192.75	0.0038206	0.000456
1193.23	0.0045859	0.000369
1193.72	0.0105888	0.000532
1194.2	0.022368	0.000597
1194.68	0.0511908	0.000734
1195.16	0.0358915	0.00024
1195.64	0.0081563	0.000417
1196.13	0.0024439	0.000563
1196.61	0.0026292	0.000533
1197.09	0.0021166	0.00024
1197.57	0.0037081	0.00054
1198.06	0.0040386	0.000271
1198.54	0.0046274	0.000423
1199.02	0.0007037	0.00055
1199.5	0.0002274	0.000311
1199.98	0.0015709	0.000422
1200.47	0.0021212	0.000336
1200.95	0.0002671	0.000333
1201.43	0.0012562	0.000376
1201.91	0.001778	0.000749
1202.39	0.0001067	0.000524
1202.88	0.0006682	0.000296
1203.36	0.000272	0.000299
1203.84	0.0004716	0.000405
1204.32	0.0008639	0.000482
1204.8	0.0003224	0.000385
1205.29	0.000852	0.000414

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	-0.00007	0.000479
1206.25	0.0011146	0.000373
1206.73	0.0001628	0.000427
1207.21	0.0017467	0.00034
1207.7	0.0029805	0.000384
1208.18	0.0013393	0.000501
1208.66	0.0011112	0.000446
1209.14	0.001058	0.000575
1209.62	0.0020064	0.000357
1210.11	0.0013795	0.000538
1210.59	0.0002806	0.000571
1211.07	0.0025997	0.000275
1211.55	0.0053405	0.000412
1212.03	0.0129969	0.00058
1212.52	0.0253188	0.000373
1213	0.0090082	0.00021
1213.48	0.0049084	0.000387
1213.96	0.0019066	0.000341
1214.45	0.0009322	0.000355
1214.93	0.0006646	0.000613
1215.41	0.0015318	0.00046
1215.89	0.0012289	0.000379
1216.37	0.0016939	0.000384
1216.86	0.0002607	0.000492
1217.34	0.0023404	0.000351
1217.82	0.001648	0.000634
1218.3	0.0006772	0.000548
1218.78	-6.13E-05	0.000346
1219.27	0.0002254	0.000276
1219.75	0.0012939	0.000328
1220.23	0.0010067	0.000446
1220.71	-0.000031	0.000371
1221.19	0.0014508	0.000249
1221.68	0.0014792	0.000604
1222.16	0.0004836	0.000569
1222.64	0.0007985	0.000328
1223.12	0.0005807	0.000516
1223.6	-0.000279	0.000297
1224.09	0.0003441	0.000779
1224.57	0.0007428	0.000516
1225.05	0.0024596	0.000528
1225.53	0.0000331	0.000203
1226.01	0.0003133	0.000454
1226.5	0.0010103	0.000716
1226.98	3.38E-06	0.000315

Ammonia

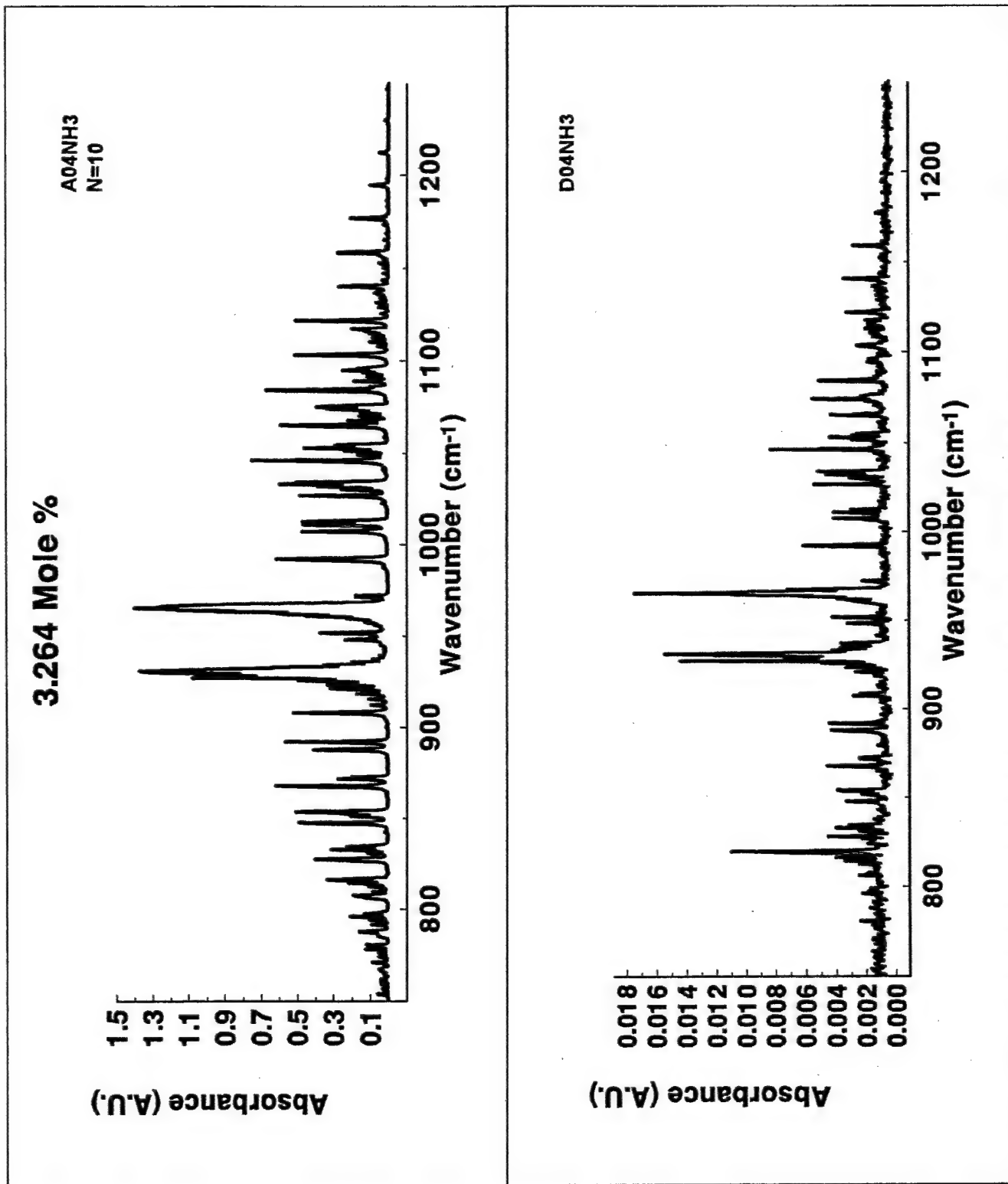
1.835 Mole %

A3RNH3

D3RNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0017489	0.000456
1227.94	0.002246	0.000404
1228.42	0.0018526	0.000621
1228.91	0.0021902	0.000412
1229.39	0.0048676	0.000729
1229.87	0.0088061	0.000611
1230.35	0.0076534	0.000546
1230.83	0.0021615	0.000387
1231.32	0.0010523	0.000372
1231.8	0.0003883	0.00045
1232.28	0.0006315	0.000329
1232.76	0.0004336	0.000436
1233.25	0.000536	0.000506
1233.73	0.0007878	0.000507
1234.21	0.0023139	0.000236
1234.69	0.0016958	0.000355
1235.17	-0.0002696	0.000252
1235.66	0.0014417	0.000282
1236.14	0.0014652	0.000277
1236.62	0.0004464	0.000387
1237.1	0.0007759	0.000362
1237.58	-9.32E-06	0.000653
1238.07	-0.0006456	0.000504
1238.55	0.000128	0.000419
1239.03	0.0004183	0.00044
1239.51	-0.0003327	0.0007
1239.99	0.0004808	0.000427
1240.48	0.0009381	0.000263
1240.96	0.0007043	0.000633
1241.44	0.0008386	0.000426
1241.92	0.0005456	0.000419
1242.4	0.0006189	0.000473
1242.89	0.0011115	0.000359
1243.37	0.0013214	0.000326
1243.85	0.0024838	0.000451
1244.33	0.0009102	0.000266
1244.81	0.0001271	0.000483
1245.3	0.0005233	0.000435
1245.78	0.0014848	0.000279
1246.26	0.0009815	0.000246
1246.74	0.0019585	0.000201
1247.22	0.0031763	0.000385
1247.71	0.0022173	0.000603
1248.19	0.0015618	0.000372
1248.67	0.0022978	0.000481

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0010086	0.000548
1249.63	0.0013109	0.000528
1250.12	0.0001035	0.000361



Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0003312	0.001416
750.677	0.0012763	0.000758
751.159	0.0042674	0.001
751.641	0.008041	0.001135
752.123	0.0027178	0.001385
752.605	0.004482	0.00152
753.087	0.020393	0.001451
753.57	0.0572255	0.001661
754.052	0.0043565	0.000963
754.534	0.0015644	0.000942
755.016	0.0063954	0.00082
755.498	0.0219328	0.001298
755.98	0.0089233	0.001301
756.462	0.0320526	0.001463
756.944	0.002891	0.001268
757.426	0.0018842	0.001227
757.909	0.0066016	0.000926
758.391	0.024817	0.000891
758.873	0.037482	0.001136
759.355	0.0047456	0.001421
759.837	0.0144134	0.001488
760.319	0.041775	0.001054
760.801	0.0433228	0.001459
761.283	0.01527	0.000876
761.766	0.0351127	0.001396
762.248	0.0136369	0.001399
762.73	0.0234838	0.001298
763.212	0.0059318	0.001068
763.694	0.0144415	0.001601
764.176	0.0215723	0.00081
764.658	0.0226591	0.001091
765.14	0.0137578	0.001209
765.622	0.026781	0.000951
766.105	0.0409187	0.000876
766.587	0.0335265	0.000817
767.069	0.0495266	0.000884
767.551	0.0373996	0.00143
768.033	0.033296	0.000795
768.515	0.0054462	0.000817
768.997	0.0040253	0.000849
769.479	0.0064944	0.000852
769.961	0.0141205	0.001579
770.444	0.0385026	0.001075
770.926	0.085174	0.001549
771.408	0.0105036	0.000856

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0080058	0.00089
772.372	0.0124825	0.00109
772.854	0.0075651	0.001253
773.336	0.0176477	0.00057
773.818	0.0514736	0.000995
774.301	0.0128377	0.000854
774.783	0.0135715	0.000984
775.265	0.0156731	0.001068
775.747	0.018255	0.001276
776.229	0.0541833	0.001411
776.711	0.019568	0.001073
777.193	0.0157888	0.000889
777.675	0.0384034	0.001206
778.157	0.122963	0.001596
778.64	0.0171179	0.001252
779.122	0.0382275	0.000927
779.604	0.089135	0.001317
780.086	0.0990171	0.001479
780.568	0.117093	0.002378
781.05	0.0110608	0.000858
781.532	0.0064916	0.000496
782.014	0.0025572	0.001318
782.497	0.0059021	0.000968
782.979	0.0055617	0.001056
783.461	0.0045011	0.001276
783.943	0.0080504	0.000898
784.425	0.020285	0.00143
784.907	0.0447404	0.001378
785.389	0.0588084	0.001078
785.871	0.0560136	0.001032
786.353	0.056626	0.00081
786.836	0.0662371	0.001278
787.318	0.109763	0.001512
787.8	0.155205	0.001727
788.282	0.114313	0.001357
788.764	0.0283616	0.001219
789.246	0.0090192	0.001198
789.728	0.0082487	0.000963
790.21	0.009744	0.001347
790.692	0.0128782	0.001532
791.175	0.0331776	0.001543
791.657	0.0904495	0.001395
792.139	0.0089077	0.000673
792.621	0.0073274	0.000875
793.103	0.0101308	0.001035

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0329932	0.001037
794.067	0.102195	0.001375
794.549	0.0201645	0.001166
795.032	0.0222571	0.001084
795.514	0.0726639	0.001472
795.996	0.205483	0.002248
796.478	0.0335019	0.000991
796.96	0.056237	0.001868
797.442	0.130258	0.001294
797.924	0.0850133	0.001446
798.406	0.0445684	0.001518
798.888	0.0152157	0.001708
799.371	0.0068323	0.000888
799.853	0.0073166	0.000621
800.335	0.0060408	0.001096
800.817	0.0069784	0.00099
801.299	0.0043735	0.001278
801.781	0.0027129	0.000992
802.263	0.0017685	0.000969
802.745	0.0044031	0.001015
803.227	0.0035822	0.001276
803.71	0.0075435	0.00117
804.192	0.0149145	0.001271
804.674	0.0122555	0.001244
805.156	0.0284996	0.001248
805.638	0.0787738	0.00101
806.12	0.133391	0.002453
806.602	0.110582	0.001099
807.084	0.159393	0.001953
807.567	0.189325	0.001876
808.049	0.0371429	0.001469
808.531	0.0180754	0.001263
809.013	0.0334825	0.001258
809.495	0.0860813	0.001393
809.977	0.0304533	0.001482
810.459	0.0147061	0.001157
810.941	0.0141211	0.001372
811.423	0.0253179	0.001242
811.906	0.0803775	0.001663
812.388	0.108373	0.002475
812.87	0.0319314	0.001063
813.352	0.0503202	0.001763
813.834	0.149877	0.001904
814.316	0.217711	0.003418
814.798	0.0657743	0.002527

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.146645	0.001398
815.762	0.162564	0.002188
816.245	0.331821	0.004033
816.727	0.214528	0.002416
817.209	0.0295358	0.001026
817.691	0.0125051	0.001718
818.173	0.0129106	0.002072
818.655	0.0117261	0.004106
819.137	0.007557	0.008066
819.619	0.0028074	0.010995
820.102	0.0018593	0.003711
820.584	0.0079335	0.001664
821.066	0.0042627	0.001325
821.548	0.0061593	0.001229
822.03	0.0071269	0.001382
822.512	0.0125809	0.001224
822.994	0.0072722	0.000652
823.476	0.0057266	0.001314
823.959	0.0100298	0.001901
824.441	0.0126605	0.001618
824.923	0.0162155	0.001592
825.405	0.0272925	0.00166
825.887	0.0643391	0.001425
826.369	0.190734	0.002292
826.851	0.236707	0.000938
827.333	0.400333	0.001494
827.816	0.303323	0.004514
828.298	0.0345539	0.001686
828.78	0.0234725	0.001699
829.262	0.0208939	0.000613
829.744	0.0248845	0.001252
830.226	0.0757421	0.001747
830.708	0.113339	0.002509
831.19	0.0333811	0.000931
831.672	0.0510865	0.0014
832.155	0.153775	0.002448
832.637	0.311429	0.003984
833.119	0.0740709	0.00157
833.601	0.139825	0.00164
834.083	0.228586	0.003163
834.565	0.203518	0.002147
835.047	0.077402	0.001041
835.529	0.024369	0.001082
836.011	0.0142345	0.001258
836.494	0.0083003	0.001027

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0079457	0.000876
837.458	0.007065	0.001466
837.94	0.0062351	0.001161
838.422	0.0078873	0.001234
838.904	0.0050597	0.000892
839.386	0.0035242	0.000765
839.868	0.0038785	0.000507
840.351	0.0045205	0.000499
840.833	0.0051892	0.000804
841.315	0.004234	0.000967
841.797	0.0104458	0.000799
842.279	0.0196338	0.000951
842.761	0.0121469	0.001235
843.243	0.0097148	0.000787
843.725	0.0134577	0.000893
844.207	0.0103504	0.000907
844.69	0.011429	0.000851
845.172	0.0179425	0.001023
845.654	0.0306101	0.001159
846.136	0.0506439	0.00129
846.618	0.123781	0.001245
847.1	0.372563	0.002446
847.582	0.48966	0.003345
848.064	0.0992626	0.001475
848.546	0.0320427	0.000686
849.029	0.0271092	0.000707
849.511	0.0266964	0.000765
849.993	0.0362809	0.000957
850.475	0.0726489	0.001417
850.957	0.204948	0.001597
851.439	0.212889	0.002293
851.921	0.105781	0.001237
852.403	0.23516	0.002304
852.886	0.272094	0.001606
853.368	0.507404	0.003501
853.85	0.377644	0.0039
854.332	0.0618046	0.001138
854.814	0.02519	0.000806
855.296	0.0124298	0.000732
855.778	0.0085271	0.000861
856.26	0.0073685	0.000591
856.742	0.0053017	0.000501
857.225	0.0058749	0.000758
857.707	0.0040054	0.000664
858.189	0.0061859	0.000848

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0035315	0.000891
859.153	0.0039637	0.000843
859.635	0.0043569	0.000609
860.117	0.004329	0.000609
860.599	0.0045678	0.000407
861.081	0.0065907	0.000574
861.564	0.0052839	0.000897
862.046	0.0068126	0.000979
862.528	0.0099036	0.000309
863.01	0.0108934	0.000594
863.492	0.0057717	0.000657
863.974	0.0079022	0.000592
864.456	0.0095436	0.000884
864.938	0.0165908	0.001294
865.421	0.0291424	0.000609
865.903	0.0357723	0.001292
866.385	0.0616207	0.001192
866.867	0.147981	0.001801
867.349	0.476066	0.003519
867.831	0.617732	0.004554
868.313	0.131622	0.000961
868.795	0.0486286	0.001129
869.277	0.0243261	0.000445
869.76	0.0201768	0.001152
870.242	0.023876	0.000859
870.724	0.0426298	0.00102
871.206	0.11034	0.001279
871.688	0.273873	0.002393
872.17	0.183049	0.002453
872.652	0.198731	0.001805
873.134	0.0291157	0.000933
873.617	0.0140731	0.000382
874.099	0.0060327	0.000863
874.581	0.0044622	0.000619
875.063	0.003436	0.000884
875.545	0.004046	0.000658
876.027	0.0038907	0.000574
876.509	0.0041113	0.000685
876.991	0.003668	0.000594
877.474	0.0064303	0.000695
877.956	0.0055853	0.000594
878.438	0.0033377	0.000601
878.92	0.0028591	0.000834
879.402	0.0040573	0.001204
879.884	0.0026723	0.000696

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0035964	0.001002
880.848	0.0024579	0.000594
881.33	0.0050841	0.000586
881.813	0.0040448	0.000919
882.295	0.0047284	0.000734
882.777	0.0085936	0.000642
883.259	0.0056766	0.000898
883.741	0.0069794	0.000748
884.223	0.0068932	0.000919
884.705	0.0081533	0.000697
885.187	0.013151	0.000782
885.669	0.0195056	0.001094
886.152	0.0299081	0.001073
886.634	0.055284	0.00148
887.116	0.144395	0.00206
887.598	0.407772	0.003792
888.08	0.353782	0.004297
888.562	0.0586461	0.001852
889.044	0.0300519	0.000683
889.526	0.0245823	0.000606
890.009	0.0278723	0.000618
890.491	0.039764	0.000938
890.973	0.0805433	0.001114
891.455	0.245294	0.002399
891.937	0.564778	0.004436
892.419	0.144384	0.000862
892.901	0.0364241	0.001267
893.383	0.01646	0.000795
893.865	0.0089918	0.000946
894.348	0.0061919	0.000627
894.83	0.004817	0.000685
895.312	0.0064434	0.000709
895.794	0.0037183	0.000636
896.276	0.0034004	0.000565
896.758	0.0032117	0.001011
897.24	0.0039404	0.000596
897.722	0.0044944	0.000364
898.204	0.0038528	0.000501
898.687	0.0043254	0.000809
899.169	0.0047973	0.000753
899.651	0.0054839	0.000391
900.133	0.011226	0.000892
900.615	0.0090174	0.00062
901.097	0.0068158	0.000421
901.579	0.0058412	0.000576

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0048151	0.000639
902.544	0.0081094	0.000723
903.026	0.0116887	0.000753
903.508	0.0089223	0.001014
903.99	0.0126384	0.000869
904.472	0.0184101	0.000679
904.954	0.0198108	0.000421
905.436	0.0208985	0.001026
905.918	0.0282151	0.000412
906.4	0.0401103	0.000987
906.883	0.0683636	0.000702
907.365	0.174863	0.002844
907.847	0.518637	0.002078
908.329	0.334541	0.002398
908.811	0.0841721	0.001342
909.293	0.0346442	0.000749
909.775	0.0198	0.000767
910.257	0.0144754	0.000833
910.739	0.0157816	0.000676
911.222	0.0191357	0.000602
911.704	0.0407057	0.000963
912.186	0.093992	0.001176
912.668	0.0267369	0.000882
913.15	0.0210738	0.001234
913.632	0.0149659	0.000672
914.114	0.0151405	0.000759
914.596	0.0221495	0.000762
915.079	0.0480267	0.001075
915.561	0.105748	0.00092
916.043	0.0354432	0.000744
916.525	0.0369397	0.00062
917.007	0.0257227	0.000727
917.489	0.0345916	0.000757
917.971	0.0710688	0.000911
918.453	0.171018	0.001424
918.935	0.0632348	0.00121
919.418	0.0521385	0.001138
919.9	0.0523828	0.000901
920.382	0.102068	0.001218
920.864	0.26622	0.002708
921.346	0.318654	0.00202
921.828	0.12358	0.000646
922.31	0.0796802	0.001126
922.792	0.1365	0.001015
923.275	0.334438	0.003348

Ammonia

3.264 Mole %

A04NH3
D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.320334	0.00193
924.239	0.167714	0.001453
924.721	0.168682	0.001919
925.203	0.355031	0.002468
925.685	0.496964	0.004954
926.167	0.291505	0.002151
926.649	0.434473	0.003706
927.132	1.07874	0.014407
927.614	0.753858	0.005204
928.096	0.729731	0.00738
928.578	1.06027	0.007099
929.06	0.9556	0.006566
929.542	0.815177	0.004909
930.024	1.2319	0.012152
930.506	1.34963	0.010486
930.988	1.36983	0.015446
931.471	1.20947	0.010938
931.953	0.953139	0.003836
932.435	0.650973	0.003415
932.917	0.632915	0.004239
933.399	0.278079	0.003237
933.881	0.355689	0.00205
934.363	0.32321	0.003732
934.845	0.133897	0.002155
935.328	0.165128	0.001728
935.81	0.198232	0.002111
936.292	0.0532635	0.003354
936.774	0.0611882	0.003663
937.256	0.0834027	0.002729
937.738	0.0525232	0.000997
938.22	0.0295474	0.000835
938.702	0.0411364	0.000743
939.184	0.0481445	0.000576
939.667	0.0216615	0.000768
940.149	0.0218761	0.000561
940.631	0.02464	0.000689
941.113	0.0197334	0.0013
941.595	0.0170993	0.000771
942.077	0.0178218	0.000897
942.559	0.0244444	0.001049
943.041	0.0178142	0.000691
943.523	0.0164938	0.000599
944.006	0.021527	0.000689
944.488	0.0256342	0.000571
944.97	0.0433116	0.001018

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.041161	0.00067
945.934	0.0409933	0.000833
946.416	0.0464505	0.000818
946.898	0.0498886	0.000805
947.38	0.0948355	0.001491
947.863	0.232986	0.001562
948.345	0.214461	0.003244
948.827	0.0727845	0.001401
949.309	0.101828	0.000501
949.791	0.0619619	0.000486
950.273	0.0675057	0.000374
950.755	0.0796884	0.000762
951.237	0.19363	0.002121
951.719	0.371964	0.004231
952.202	0.0721251	0.000977
952.684	0.0391053	0.000977
953.166	0.0371217	0.000773
953.648	0.0298041	0.000708
954.13	0.040434	0.001222
954.612	0.0409302	0.000729
955.094	0.0394221	0.000738
955.576	0.0514088	0.001021
956.058	0.0800899	0.000792
956.541	0.0619467	0.000982
957.023	0.0727369	0.000873
957.505	0.123951	0.000629
957.987	0.130928	0.000672
958.469	0.099959	0.001043
958.951	0.15104	0.001341
959.433	0.22773	0.001874
959.915	0.19653	0.002118
960.398	0.247593	0.002606
960.88	0.454121	0.003042
961.362	0.32861	0.001696
961.844	0.543262	0.003945
962.326	0.611647	0.003359
962.808	0.553892	0.00339
963.29	0.949395	0.006185
963.772	0.845247	0.005579
964.254	1.15336	0.010619
964.737	1.1692	0.011317
965.219	1.39932	0.01744
965.701	1.23824	0.011362
966.183	1.25319	0.009332
966.665	1.12409	0.004011

Ammonia

3.264 Mole %

A04NH3
D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.984327	0.007219
967.629	0.690655	0.005023
968.111	0.284003	0.001069
968.594	0.0913764	0.001155
969.076	0.0512515	0.000747
969.558	0.0369913	0.000687
970.04	0.0310268	0.000528
970.522	0.034493	0.000647
971.004	0.0709029	0.000701
971.486	0.176779	0.001312
971.968	0.174726	0.002227
972.45	0.0247806	0.001454
972.933	0.0103844	0.000513
973.415	0.0056131	0.000803
973.897	0.0031697	0.000785
974.379	0.0042353	0.000873
974.861	0.0035367	0.000622
975.343	0.0023092	0.00054
975.825	0.0023914	0.000827
976.307	0.0019291	0.00067
976.79	0.001227	0.000737
977.272	0.0003444	0.000672
977.754	0.0027966	0.000534
978.236	0.0009039	0.000632
978.718	0.0026038	0.000464
979.2	0.0030603	0.000846
979.682	0.0035938	0.000948
980.164	0.003369	0.000542
980.646	0.0037715	0.000465
981.129	0.0029562	0.000615
981.611	0.0034006	0.000574
982.093	0.0037101	0.000914
982.575	0.0048625	0.000812
983.057	0.0040488	0.000575
983.539	0.0042527	0.000593
984.021	0.0043499	0.000588
984.503	0.0044511	0.000643
984.986	0.0051517	0.000596
985.468	0.0065362	0.000652
985.95	0.0076422	0.000854
986.432	0.0111841	0.000569
986.914	0.0147329	0.000674
987.396	0.024832	0.001061
987.878	0.0264651	0.000464
988.36	0.022968	0.000777

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0197916	0.00106
989.325	0.0240651	0.000892
989.807	0.0337062	0.00077
990.289	0.0517133	0.000694
990.771	0.0995638	0.000819
991.253	0.246046	0.001298
991.735	0.477998	0.003847
992.217	0.61485	0.006114
992.699	0.458083	0.003518
993.181	0.0924038	0.00066
993.664	0.0310916	0.00058
994.146	0.016157	0.000702
994.628	0.0107884	0.000572
995.11	0.0081958	0.000947
995.592	0.0076997	0.000883
996.074	0.0075893	0.000728
996.556	0.0082611	0.000536
997.038	0.006863	0.000598
997.521	0.0059216	0.000417
998.003	0.0077042	0.000869
998.485	0.0071528	0.000569
998.967	0.0070132	0.000584
999.449	0.0070818	0.000666
999.931	0.0082786	0.000506
1000.41	0.0078661	0.000788
1000.89	0.0101637	0.000623
1001.37	0.0109179	0.00074
1001.86	0.013411	0.000338
1002.34	0.0136193	0.001018
1002.82	0.013477	0.000604
1003.3	0.0151835	0.000657
1003.78	0.016047	0.000614
1004.27	0.0195327	0.000539
1004.75	0.0259858	0.000836
1005.23	0.0366219	0.000582
1005.71	0.0526967	0.00109
1006.19	0.0832293	0.001049
1006.68	0.181726	0.002113
1007.16	0.471765	0.001219
1007.64	0.346883	0.004107
1008.12	0.0712204	0.001583
1008.6	0.0415192	0.001207
1009.09	0.0381546	0.001151
1009.57	0.0437462	0.001206
1010.05	0.0804605	0.001264

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.19598	0.002642
1011.02	0.465571	0.004123
1011.5	0.187136	0.001055
1011.98	0.265763	0.002788
1012.46	0.46871	0.00298
1012.94	0.359954	0.001956
1013.43	0.101569	0.00065
1013.91	0.0238874	0.001111
1014.39	0.0121329	0.00077
1014.87	0.0081098	0.000776
1015.35	0.0069798	0.000976
1015.84	0.0070669	0.00073
1016.32	0.0057253	0.00078
1016.8	0.0059206	0.000725
1017.28	0.006077	0.001111
1017.77	0.0068044	0.00085
1018.25	0.0069489	0.000734
1018.73	0.0061748	0.000491
1019.21	0.0068559	0.000787
1019.69	0.0062201	0.000942
1020.18	0.0090209	0.000713
1020.66	0.0106951	0.000471
1021.14	0.0118141	0.000758
1021.62	0.0164983	0.000774
1022.1	0.0211182	0.000953
1022.59	0.0365618	0.000627
1023.07	0.0253678	0.000825
1023.55	0.0157924	0.000707
1024.03	0.0221857	0.000924
1024.52	0.032813	0.00071
1025	0.0332669	0.000605
1025.48	0.0462854	0.000458
1025.96	0.097752	0.001321
1026.44	0.24939	0.001352
1026.93	0.483916	0.005434
1027.41	0.0958813	0.001005
1027.89	0.0411954	0.001565
1028.37	0.0315162	0.000772
1028.85	0.0341818	0.001258
1029.34	0.0607186	0.001461
1029.82	0.133742	0.002416
1030.3	0.258006	0.003091
1030.78	0.0895999	0.00088
1031.26	0.161338	0.002281
1031.75	0.389415	0.002331

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.389345	0.004667
1032.71	0.252681	0.002097
1033.19	0.594461	0.004317
1033.67	0.492292	0.004378
1034.16	0.50252	0.005192
1034.64	0.105828	0.001309
1035.12	0.0362974	0.000827
1035.6	0.0207362	0.001021
1036.08	0.014605	0.000556
1036.57	0.0114647	0.001061
1037.05	0.0106901	0.000786
1037.53	0.0093489	0.000878
1038.01	0.0088775	0.000701
1038.49	0.0095134	0.000799
1038.98	0.0128661	0.000625
1039.46	0.0175359	0.000838
1039.94	0.0146296	0.000436
1040.42	0.0188097	0.001191
1040.9	0.0290276	0.000777
1041.39	0.0138956	0.000879
1041.87	0.0158945	0.000412
1042.35	0.021339	0.000576
1042.83	0.0319763	0.001051
1043.32	0.0320538	0.000769
1043.8	0.0397431	0.001045
1044.28	0.0540995	0.001437
1044.76	0.0867063	0.000816
1045.24	0.174453	0.001008
1045.73	0.423976	0.002045
1046.21	0.749178	0.008331
1046.69	0.293571	0.001872
1047.17	0.0882906	0.001821
1047.65	0.0491205	0.001321
1048.14	0.0447764	0.001033
1048.62	0.0834892	0.000822
1049.1	0.167094	0.001483
1049.58	0.0655628	0.001189
1050.06	0.0407277	0.000637
1050.55	0.073513	0.001225
1051.03	0.156722	0.001352
1051.51	0.242358	0.002927
1051.99	0.0983868	0.00151
1052.47	0.202637	0.002094
1052.96	0.460769	0.004398
1053.44	0.189256	0.001092

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.279013	0.002941
1054.4	0.290854	0.002079
1054.88	0.279179	0.002612
1055.37	0.0415654	0.001251
1055.85	0.0170377	0.000833
1056.33	0.0136833	0.000454
1056.81	0.0133745	0.00066
1057.29	0.0075489	0.000874
1057.78	0.0099744	0.000895
1058.26	0.0112606	0.001067
1058.74	0.0210181	0.000769
1059.22	0.009842	0.001025
1059.71	0.0135655	0.000873
1060.19	0.0141543	0.000697
1060.67	0.0109451	0.000665
1061.15	0.0135601	0.00116
1061.63	0.0187075	0.000728
1062.12	0.0195941	0.000842
1062.6	0.0252811	0.000766
1063.08	0.0342016	0.000558
1063.56	0.0486464	0.000815
1064.04	0.0770402	0.000912
1064.53	0.16565	0.001206
1065.01	0.409088	0.003849
1065.49	0.59145	0.004314
1065.97	0.16437	0.001453
1066.45	0.0631559	0.00094
1066.94	0.0643604	0.000922
1067.42	0.120604	0.001053
1067.9	0.220785	0.00095
1068.38	0.0385985	0.000856
1068.86	0.0253565	0.000775
1069.35	0.0341662	0.001006
1069.83	0.0780097	0.001207
1070.31	0.160592	0.000932
1070.79	0.0805698	0.001431
1071.27	0.044322	0.000991
1071.76	0.0798829	0.001378
1072.24	0.152349	0.001197
1072.72	0.159276	0.001957
1073.2	0.109022	0.002107
1073.68	0.223758	0.001707
1074.17	0.339912	0.005546
1074.65	0.17531	0.002198
1075.13	0.396215	0.002351

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.358146	0.002337
1076.09	0.217512	0.001971
1076.58	0.0331273	0.001583
1077.06	0.0142097	0.000846
1077.54	0.0088555	0.000979
1078.02	0.0110993	0.001074
1078.51	0.0128891	0.001007
1078.99	0.0177621	0.000688
1079.47	0.0167796	0.000775
1079.95	0.0155862	0.000773
1080.43	0.0186389	0.000773
1080.92	0.0178187	0.000572
1081.4	0.0219186	0.000883
1081.88	0.0292164	0.000643
1082.36	0.0412125	0.000903
1082.84	0.0632709	0.000802
1083.33	0.123694	0.000841
1083.81	0.295458	0.00265
1084.29	0.674907	0.005128
1084.77	0.369399	0.002582
1085.25	0.109267	0.001548
1085.74	0.0839529	0.001211
1086.22	0.101676	0.001417
1086.7	0.0262989	0.00128
1087.18	0.0199681	0.001005
1087.66	0.0217499	0.001168
1088.15	0.0368279	0.000783
1088.63	0.0897052	0.001215
1089.11	0.188228	0.000657
1089.59	0.0664821	0.001233
1090.07	0.0227296	0.000989
1090.56	0.026293	0.000866
1091.04	0.0567438	0.000821
1091.52	0.116264	0.000933
1092	0.0586325	0.001176
1092.48	0.0366386	0.000907
1092.97	0.0676612	0.001042
1093.45	0.140057	0.000967
1093.93	0.0771545	0.001015
1094.41	0.110299	0.001864
1094.9	0.249942	0.001547
1095.38	0.115075	0.001201
1095.86	0.170869	0.001789
1096.34	0.125217	0.001252
1096.82	0.0718311	0.001283

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0203057	0.001022
1097.79	0.0163596	0.000365
1098.27	0.0129659	0.000707
1098.75	0.0107754	0.001179
1099.23	0.0125056	0.000498
1099.72	0.0158987	0.001035
1100.2	0.0152069	0.000808
1100.68	0.0200016	0.001054
1101.16	0.0276014	0.00068
1101.64	0.0423469	0.001082
1102.13	0.0803802	0.001349
1102.61	0.204747	0.001631
1103.09	0.513519	0.002443
1103.57	0.354935	0.002547
1104.05	0.108077	0.001971
1104.54	0.0416235	0.000916
1105.02	0.0184502	0.001095
1105.5	0.0165823	0.001086
1105.98	0.0119876	0.000572
1106.46	0.0128901	0.000745
1106.95	0.0234008	0.000705
1107.43	0.0498287	0.000867
1107.91	0.0590476	0.000612
1108.39	0.0143139	0.0015
1108.87	0.0143362	0.000991
1109.36	0.0162574	0.001033
1109.84	0.0438296	0.00112
1110.32	0.101311	0.001664
1110.8	0.0858097	0.001691
1111.28	0.0201392	0.001463
1111.77	0.0205175	0.001019
1112.25	0.041185	0.000789
1112.73	0.0887062	0.002023
1113.21	0.0293953	0.001282
1113.7	0.0277805	0.000825
1114.18	0.0535406	0.000949
1114.66	0.102292	0.001844
1115.14	0.0504316	0.001596
1115.62	0.101977	0.001434
1116.11	0.132358	0.001835
1116.59	0.111583	0.001636
1117.07	0.152653	0.000997
1117.55	0.200075	0.001989
1118.03	0.0195644	0.001271
1118.52	0.0141175	0.000883

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0148863	0.000535
1119.48	0.0169937	0.001005
1119.96	0.0243864	0.00076
1120.44	0.0386236	0.000679
1120.93	0.0880944	0.001021
1121.41	0.22659	0.002078
1121.89	0.509553	0.003279
1122.37	0.190532	0.00135
1122.85	0.04296	0.001499
1123.34	0.0209147	0.000626
1123.82	0.0114542	0.000406
1124.3	0.0084935	0.000457
1124.78	0.0114666	0.000876
1125.26	0.0203951	0.000767
1125.75	0.0385574	0.000968
1126.23	0.0174505	0.00065
1126.71	0.0068747	0.000859
1127.19	0.0038663	0.000795
1127.67	0.005375	0.000727
1128.16	0.0114408	0.000689
1128.64	0.0254454	0.001224
1129.12	0.0521525	0.000814
1129.6	0.0101873	0.001045
1130.09	0.0071529	0.000538
1130.57	0.0115998	0.000736
1131.05	0.0299178	0.000765
1131.53	0.0656043	0.001271
1132.01	0.0414913	0.000784
1132.5	0.0121586	0.001156
1132.98	0.0156148	0.001179
1133.46	0.0282356	0.000588
1133.94	0.0471128	0.001322
1134.42	0.0173738	0.001071
1134.91	0.0284858	0.000641
1135.39	0.0556245	0.000936
1135.87	0.0265966	0.001102
1136.35	0.053762	0.001501
1136.83	0.0744447	0.001243
1137.32	0.0606049	0.001023
1137.8	0.0563864	0.000631
1138.28	0.0274891	0.000839
1138.76	0.0312671	0.000932
1139.24	0.0592762	0.001098
1139.73	0.113206	0.001868
1140.21	0.270901	0.001672

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.254151	0.003462
1141.17	0.0344446	0.001277
1141.65	0.0143939	0.000452
1142.14	0.0075844	0.000743
1142.62	0.0085612	0.000759
1143.1	0.0183976	0.001065
1143.58	0.0346014	0.00069
1144.06	0.0205069	0.000999
1144.55	0.0051189	0.000614
1145.03	0.0038023	0.000662
1145.51	0.0026941	0.00078
1145.99	0.0046333	0.000587
1146.48	0.0062338	0.000618
1146.96	0.0143136	0.000857
1147.44	0.0266161	0.000584
1147.92	0.0033018	0.000722
1148.4	0.00256	0.000583
1148.89	0.0024394	0.000612
1149.37	0.0046938	0.000474
1149.85	0.0129087	0.0004
1150.33	0.026298	0.000715
1150.81	0.0033151	0.000893
1151.3	0.0022243	0.000658
1151.78	0.0075275	0.000583
1152.26	0.0224492	0.001027
1152.74	0.0497511	0.000541
1153.22	0.0056786	0.000703
1153.71	0.0084682	0.000551
1154.19	0.0137934	0.000941
1154.67	0.027942	0.000789
1155.15	0.0097596	0.000334
1155.63	0.0174832	0.000474
1156.12	0.0396403	0.00058
1156.6	0.0337661	0.00064
1157.08	0.0562902	0.000782
1157.56	0.0474681	0.000625
1158.04	0.127796	0.000926
1158.53	0.276649	0.001319
1159.01	0.243249	0.002836
1159.49	0.0252761	0.001335
1159.97	0.009239	0.000478
1160.45	0.0048554	0.000766
1160.94	0.0076195	0.000639
1161.42	0.0123303	0.000873
1161.9	0.0013627	0.000535

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0009346	0.000444
1162.86	0.0005552	0.000525
1163.35	0.0013802	0.000633
1163.83	0.0009986	0.000413
1164.31	0.0035932	0.000526
1164.79	0.0095537	0.000696
1165.28	0.0213535	0.00044
1165.76	0.0048198	0.000547
1166.24	0.0011033	0.000174
1166.72	0.0007928	0.000861
1167.2	0.0015171	0.000464
1167.69	0.0039032	0.000428
1168.17	0.0066215	0.000623
1168.65	0.0133285	0.000455
1169.13	0.0008489	0.000765
1169.61	0.0017193	0.000354
1170.1	0.0011359	0.000421
1170.58	0.0043257	0.000456
1171.06	0.0069334	0.000483
1171.54	0.006599	0.000876
1172.02	0.0036191	0.000466
1172.51	0.0077047	0.000399
1172.99	0.0175537	0.000724
1173.47	0.0269245	0.000542
1173.95	0.0056679	0.00084
1174.43	0.0096355	0.000837
1174.92	0.0132916	0.000743
1175.4	0.0156466	0.000538
1175.88	0.033727	0.000551
1176.36	0.0927208	0.000671
1176.84	0.206242	0.001277
1177.33	0.0645551	0.000553
1177.81	0.0150249	0.001111
1178.29	0.0172809	0.000488
1178.77	0.0087206	0.000673
1179.25	0.0026107	0.000636
1179.74	0.0028777	0.000614
1180.22	0.0005546	0.000266
1180.7	-0.0001293	0.000552
1181.18	-0.0004384	0.000732
1181.67	0.0001308	0.000792
1182.15	0.0009247	0.000576
1182.63	0.0008058	0.000615
1183.11	0.0050376	0.000472
1183.59	-0.0009681	0.000529

Ammonia

3.264 Mole %

A04NH3

D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0004318	0.000551
1184.56	0.000047	0.000476
1185.04	0.0003842	0.000584
1185.52	0.0008353	0.000538
1186	0.0032164	0.000564
1186.49	0.010115	0.000482
1186.97	0.0038498	0.000612
1187.45	0.0002406	0.000498
1187.93	0.0011855	0.000358
1188.41	0.0012277	0.000824
1188.9	0.0029528	0.000312
1189.38	0.0048723	0.00048
1189.86	0.0027499	0.000559
1190.34	-0.0000689	0.00069
1190.82	0.0009154	0.000378
1191.31	0.0023473	0.000487
1191.79	0.00492	0.000679
1192.27	0.0041792	0.000342
1192.75	0.0050349	0.000523
1193.23	0.0076572	0.000522
1193.72	0.0188612	0.000601
1194.2	0.041438	0.000896
1194.68	0.096697	0.00061
1195.16	0.065551	0.000854
1195.64	0.0142433	0.00083
1196.13	0.0038847	0.00059
1196.61	0.0045915	0.000592
1197.09	0.0017444	0.000613
1197.57	0.0084538	0.000574
1198.06	0.0060004	0.000502
1198.54	0.0067608	0.000227
1199.02	-0.0005995	0.000883
1199.5	0.0000934	0.000491
1199.98	0.0009737	0.000572
1200.47	0.0016673	0.000481
1200.95	-0.0012902	0.000662
1201.43	-0.0005052	0.000597
1201.91	-0.0001132	0.000441
1202.39	-0.0001509	0.000533
1202.88	-0.0006237	0.000644
1203.36	-0.0010942	0.00039
1203.84	-0.0001457	0.000666
1204.32	0.0020735	0.00047
1204.8	-0.0007355	0.000331
1205.29	0.0000286	0.000388

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	7.32E-06	0.000395
1206.25	-0.0001978	0.000199
1206.73	-0.0001495	0.000486
1207.21	0.0013558	0.000436
1207.7	0.0022065	0.000614
1208.18	0.0003335	0.000661
1208.66	0.0009898	0.000648
1209.14	-0.0010608	0.000375
1209.62	0.0014309	0.000413
1210.11	0.002124	0.000765
1210.59	0.0009174	0.000416
1211.07	0.0028002	0.000515
1211.55	0.0086091	0.000653
1212.03	0.024022	0.000337
1212.52	0.0467967	0.000543
1213	0.0181254	0.00068
1213.48	0.0072843	0.000275
1213.96	0.0025868	0.000591
1214.45	0.0007403	0.000509
1214.93	-0.0003452	0.000566
1215.41	0.0006366	0.00047
1215.89	0.0004089	0.000544
1216.37	0.0012482	0.000483
1216.86	0.0005867	0.000494
1217.34	0.0027473	0.000513
1217.82	0.0015254	0.000535
1218.3	-0.0001464	0.000481
1218.78	-0.0015543	0.00046
1219.27	-0.0008548	0.000434
1219.75	-0.0003392	0.000609
1220.23	-0.0001866	0.000484
1220.71	0.0004793	0.000536
1221.19	0.0001791	0.000517
1221.68	0.0004267	0.00059
1222.16	-0.0014339	0.000592
1222.64	-0.000225	0.000476
1223.12	-0.0006364	0.0004
1223.6	0.0005086	0.000177
1224.09	-0.0000761	0.000598
1224.57	-0.0004835	0.000765
1225.05	0.0014713	0.000443
1225.53	-0.0007482	0.000416
1226.01	-0.0007787	0.000409
1226.5	-0.0007255	0.000637
1226.98	-0.0006261	0.000414

Ammonia

3.264 Mole %

A04NH3

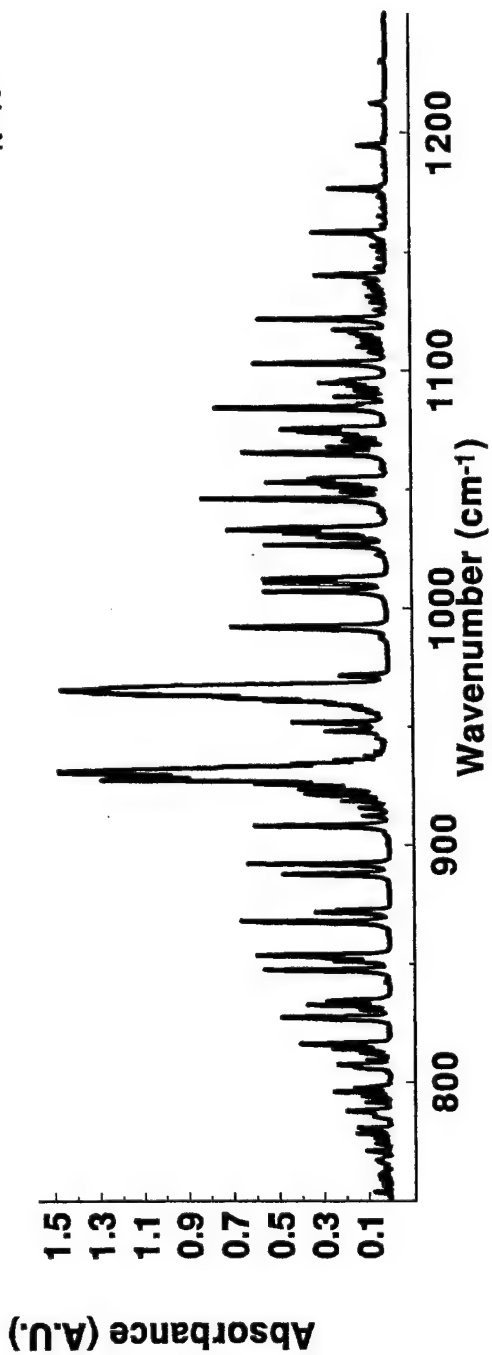
D04NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	-0.0001541	0.000731
1227.94	0.0014462	0.000432
1228.42	0.001493	0.000633
1228.91	0.0019752	0.000595
1229.39	0.0060704	0.000666
1229.87	0.0161756	0.000337
1230.35	0.0149231	0.00043
1230.83	0.0020041	0.000668
1231.32	0.0007152	0.000426
1231.8	-0.0002818	0.000333
1232.28	0.0003086	0.000394
1232.76	-0.0003947	0.000634
1233.25	-0.0001342	0.000461
1233.73	0.0000161	0.000586
1234.21	-0.0001621	0.000447
1234.69	-0.0008872	0.000458
1235.17	-0.0002451	0.000397
1235.66	0.0003034	0.000254
1236.14	-0.0003513	0.000648
1236.62	0.0009071	0.000588
1237.1	-0.0001999	0.000519
1237.58	-0.0004267	0.000584
1238.07	-0.0006987	0.000251
1238.55	-0.0005667	0.000463
1239.03	-0.0001557	0.000384
1239.51	-0.0011395	0.000441
1239.99	-0.0002379	0.000427
1240.48	-0.0009482	0.000425
1240.96	-0.0009584	0.000717
1241.44	-0.0003169	0.000482
1241.92	-0.0002072	0.000478
1242.4	-0.0008711	0.000635
1242.89	-0.0005647	0.000575
1243.37	0.000244	0.000621
1243.85	0.0001963	0.000494
1244.33	0.0004405	0.000569
1244.81	0.0000676	0.000537
1245.3	-0.0006506	0.000384
1245.78	-0.0005319	0.00077
1246.26	-0.0005052	0.000405
1246.74	0.0014034	0.000475
1247.22	0.0068706	0.000325
1247.71	0.0029161	0.000724
1248.19	0.0008678	0.00043
1248.67	-0.0000373	0.000478

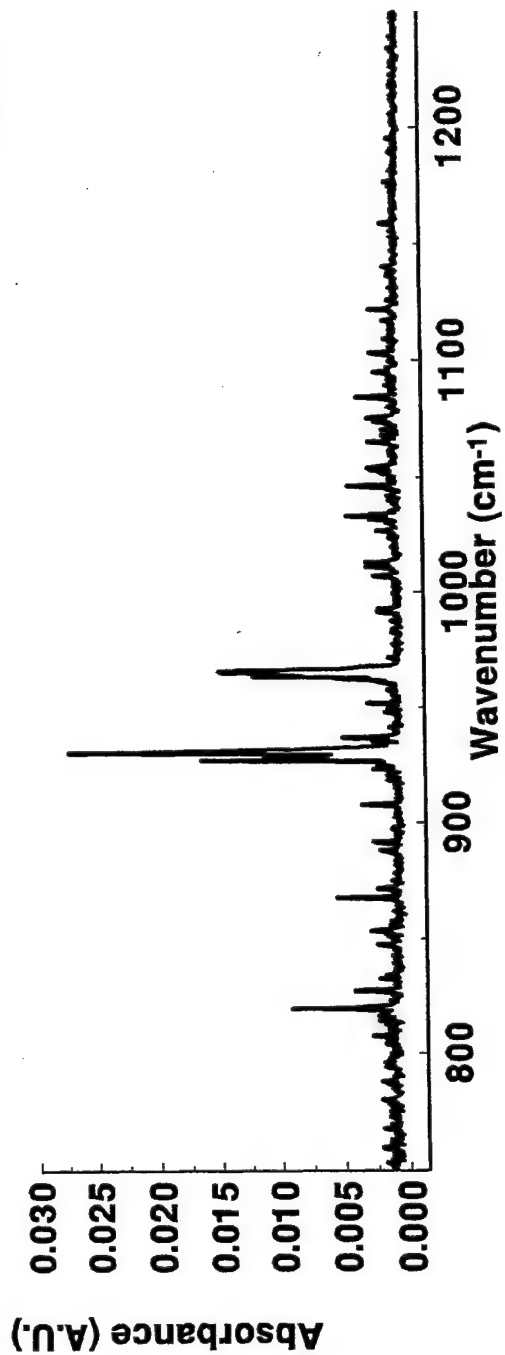
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0001116	0.000582
1249.63	-0.0011238	0.000433
1250.12	4.36E-06	0.000405

4.06 Mole %

A05NH3
N=10



D05NH3



Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0047622	0.00114
750.677	0.0034053	0.001349
751.159	0.007274	0.001182
751.641	0.0137518	0.001348
752.123	0.0026218	0.00104
752.605	0.0092843	0.00162
753.087	0.0277338	0.001789
753.57	0.0734441	0.00134
754.052	0.0069462	0.000644
754.534	0.0041269	0.001428
755.016	0.0097005	0.001149
755.498	0.0293247	0.001302
755.98	0.0129662	0.000616
756.462	0.0382905	0.001311
756.944	0.0041267	0.001235
757.426	0.0046345	0.000709
757.909	0.0078582	0.000824
758.391	0.0289334	0.001258
758.873	0.0483236	0.001556
759.355	0.011301	0.002093
759.837	0.0179169	0.001132
760.319	0.0513693	0.001579
760.801	0.0554039	0.000651
761.283	0.0201278	0.001029
761.766	0.042795	0.00145
762.248	0.0201774	0.001275
762.73	0.0295699	0.001439
763.212	0.0080229	0.000719
763.694	0.0189478	0.001131
764.176	0.0272682	0.000922
764.658	0.0283723	0.000893
765.14	0.0189124	0.000586
765.622	0.032029	0.001207
766.105	0.0556295	0.001171
766.587	0.0438083	0.000827
767.069	0.0657011	0.001077
767.551	0.0493463	0.001958
768.033	0.041608	0.001104
768.515	0.0079659	0.000876
768.997	0.0054489	0.001388
769.479	0.0087179	0.001399
769.961	0.0179218	0.000824
770.444	0.0503285	0.000847
770.926	0.106543	0.001075
771.408	0.01274	0.001018

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0101656	0.001232
772.372	0.0175226	0.000885
772.854	0.0089946	0.001515
773.336	0.0239718	0.000938
773.818	0.0673343	0.001289
774.301	0.0191766	0.001059
774.783	0.0177042	0.001514
775.265	0.017446	0.000677
775.747	0.021255	0.001148
776.229	0.0698166	0.00104
776.711	0.0233932	0.001341
777.193	0.0190284	0.000703
777.675	0.047733	0.001081
778.157	0.150584	0.00157
778.64	0.0265338	0.001024
779.122	0.0484312	0.001152
779.604	0.111835	0.001573
780.086	0.121112	0.002066
780.568	0.145869	0.001299
781.05	0.0151716	0.001248
781.532	0.0066251	0.000976
782.014	0.0033081	0.000839
782.497	0.0084364	0.000795
782.979	0.0113386	0.000748
783.461	0.0091103	0.000988
783.943	0.0105258	0.001164
784.425	0.0258037	0.001046
784.907	0.0564456	0.001291
785.389	0.0749595	0.001102
785.871	0.0713127	0.000795
786.353	0.0709326	0.001327
786.836	0.081707	0.001694
787.318	0.13818	0.001042
787.8	0.194529	0.002079
788.282	0.141461	0.001436
788.764	0.0356487	0.001112
789.246	0.0120007	0.001081
789.728	0.0109567	0.001215
790.21	0.0129746	0.000597
790.692	0.0128193	0.000833
791.175	0.0424833	0.000846
791.657	0.109861	0.001041
792.139	0.0130589	0.000922
792.621	0.0110328	0.001088
793.103	0.0125519	0.000863

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0423046	0.001333
794.067	0.128013	0.001837
794.549	0.0291189	0.001191
795.032	0.0294533	0.001507
795.514	0.0891417	0.00146
795.996	0.250933	0.001856
796.478	0.0424385	0.001224
796.96	0.0708022	0.001372
797.442	0.161506	0.001535
797.924	0.10125	0.001268
798.406	0.0557028	0.000998
798.888	0.0170854	0.001421
799.371	0.0119822	0.000713
799.853	0.0092517	0.001422
800.335	0.0098778	0.000674
800.817	0.0082854	0.000851
801.299	0.0055114	0.000878
801.781	0.0060316	0.001243
802.263	0.0058889	0.000835
802.745	0.004207	0.001265
803.227	0.0049011	0.001163
803.71	0.0085187	0.000964
804.192	0.0195221	0.001772
804.674	0.0155132	0.001151
805.156	0.0356302	0.001195
805.638	0.0971523	0.001726
806.12	0.164755	0.001017
806.602	0.142597	0.001031
807.084	0.198462	0.001634
807.567	0.23507	0.002788
808.049	0.0462365	0.001668
808.531	0.0231103	0.001068
809.013	0.0404489	0.001457
809.495	0.106373	0.001492
809.977	0.0370489	0.000828
810.459	0.018658	0.001475
810.941	0.0175979	0.001305
811.423	0.0323913	0.001079
811.906	0.0960641	0.001527
812.388	0.133489	0.00178
812.87	0.0390469	0.000981
813.352	0.0599382	0.00066
813.834	0.182932	0.001528
814.316	0.260611	0.002304
814.798	0.0839542	0.00117

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.181628	0.001927
815.762	0.20298	0.001188
816.245	0.403514	0.002324
816.727	0.254147	0.001979
817.209	0.0369915	0.002149
817.691	0.019267	0.001616
818.173	0.0157683	0.001494
818.655	0.0127947	0.001402
819.137	0.0123786	0.004023
819.619	0.0069891	0.009124
820.102	0.0096242	0.004345
820.584	0.0098787	0.002848
821.066	0.0071247	0.001594
821.548	0.0084366	0.001268
822.03	0.0099916	0.001122
822.512	0.0152724	0.001001
822.994	0.0090946	0.001455
823.476	0.0081671	0.000921
823.959	0.0124117	0.001004
824.441	0.0153326	0.001096
824.923	0.0171372	0.000675
825.405	0.034404	0.001268
825.887	0.0803115	0.000685
826.369	0.236697	0.001763
826.851	0.29349	0.002077
827.333	0.48724	0.004131
827.816	0.352159	0.002285
828.298	0.0442041	0.001009
828.78	0.0301997	0.000787
829.262	0.0271671	0.000959
829.744	0.0323026	0.00087
830.226	0.0897908	0.001127
830.708	0.138718	0.00092
831.19	0.0411013	0.000786
831.672	0.0633085	0.001129
832.155	0.184664	0.001065
832.637	0.369707	0.002174
833.119	0.0940172	0.00082
833.601	0.172256	0.0016
834.083	0.281713	0.001732
834.565	0.244385	0.001522
835.047	0.0961931	0.000952
835.529	0.0318072	0.001118
836.011	0.0210908	0.000657
836.494	0.0134371	0.000844

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0101509	0.001053
837.458	0.0080593	0.000533
837.94	0.0083956	0.000784
838.422	0.0080943	0.000634
838.904	0.0058365	0.000731
839.386	0.0055808	0.001148
839.868	0.0053183	0.000759
840.351	0.0073215	0.000992
840.833	0.0077392	0.00078
841.315	0.0078191	0.001053
841.797	0.0140476	0.000975
842.279	0.0243189	0.000652
842.761	0.0171962	0.001191
843.243	0.0114363	0.000752
843.725	0.0163266	0.000845
844.207	0.0121167	0.000968
844.69	0.0164301	0.000721
845.172	0.0230692	0.001144
845.654	0.0373036	0.000752
846.136	0.0628282	0.001111
846.618	0.14988	0.001277
847.1	0.45144	0.001922
847.582	0.563214	0.002328
848.064	0.125325	0.001159
848.546	0.0413816	0.001039
849.029	0.0334163	0.000737
849.511	0.0342053	0.000911
849.993	0.0455405	0.00122
850.475	0.0865906	0.001215
850.957	0.247368	0.001543
851.439	0.255685	0.000619
851.921	0.125796	0.001125
852.403	0.28592	0.001772
852.886	0.329886	0.001436
853.368	0.594207	0.002849
853.85	0.431107	0.002436
854.332	0.0807814	0.001206
854.814	0.0326743	0.000939
855.296	0.0174661	0.000556
855.778	0.0119296	0.001396
856.26	0.0114219	0.000961
856.742	0.0092737	0.000665
857.225	0.0079042	0.000847
857.707	0.0050302	0.001253
858.189	0.0080949	0.000564

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0058931	0.000765
859.153	0.0054768	0.000842
859.635	0.0052832	0.000707
860.117	0.0059392	0.000824
860.599	0.0062327	0.000257
861.081	0.0068016	0.000474
861.564	0.0082635	0.000693
862.046	0.0105908	0.001087
862.528	0.014426	0.000816
863.01	0.0129326	0.000639
863.492	0.0081706	0.00043
863.974	0.0109312	0.000717
864.456	0.0119475	0.000909
864.938	0.0192775	0.000829
865.421	0.0360885	0.000567
865.903	0.0426947	0.000903
866.385	0.0752118	0.001098
866.867	0.174437	0.000971
867.349	0.552735	0.002623
867.831	0.663457	0.005488
868.313	0.167295	0.000812
868.795	0.0620269	0.000866
869.277	0.0315515	0.000702
869.76	0.0263994	0.000787
870.242	0.0318232	0.001154
870.724	0.051587	0.000697
871.206	0.133121	0.001192
871.688	0.334428	0.002304
872.17	0.223848	0.001601
872.652	0.236289	0.000956
873.134	0.034221	0.000877
873.617	0.0158403	0.000819
874.099	0.0095879	0.000515
874.581	0.0064203	0.000794
875.063	0.006611	0.001159
875.545	0.0063797	0.000803
876.027	0.0065497	0.000697
876.509	0.0064824	0.000763
876.991	0.0048432	0.000827
877.474	0.0071486	0.000719
877.956	0.0070135	0.000753
878.438	0.0051372	0.000993
878.92	0.005332	0.000618
879.402	0.0039328	0.000682
879.884	0.0044926	0.000521

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0054965	0.000778
880.848	0.0041983	0.000733
881.33	0.0062907	0.000624
881.813	0.007317	0.000929
882.295	0.0078624	0.000665
882.777	0.0109499	0.000531
883.259	0.0083158	0.000788
883.741	0.0085304	0.000967
884.223	0.0088714	0.00066
884.705	0.0107855	0.000537
885.187	0.0145443	0.000801
885.669	0.0226005	0.000839
886.152	0.0362833	0.000664
886.634	0.066939	0.001054
887.116	0.173708	0.001346
887.598	0.479935	0.001564
888.08	0.402914	0.002082
888.562	0.0734453	0.000929
889.044	0.039734	0.000942
889.526	0.0310215	0.000813
890.009	0.0344337	0.000919
890.491	0.0498458	0.000643
890.973	0.0982118	0.001392
891.455	0.286622	0.002065
891.937	0.632846	0.002605
892.419	0.178341	0.000802
892.901	0.0459682	0.000746
893.383	0.0218459	0.00089
893.865	0.0129801	0.00061
894.348	0.0091842	0.000675
894.83	0.0071998	0.000939
895.312	0.0072138	0.000762
895.794	0.0065309	0.000419
896.276	0.005142	0.000675
896.758	0.004758	0.000804
897.24	0.0067177	0.001136
897.722	0.0052561	0.000725
898.204	0.0045616	0.001013
898.687	0.0079224	0.000356
899.169	0.0068584	0.0006
899.651	0.0071385	0.000538
900.133	0.0134862	0.000706
900.615	0.0120827	0.00048
901.097	0.0070584	0.000683
901.579	0.0075337	0.000593

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0089228	0.000746
902.544	0.0111521	0.000949
903.026	0.0151575	0.000783
903.508	0.0111826	0.000614
903.99	0.0169571	0.000875
904.472	0.0239534	0.00058
904.954	0.025854	0.000708
905.436	0.0249017	0.000879
905.918	0.0358482	0.000823
906.4	0.0480809	0.00067
906.883	0.0840941	0.000824
907.365	0.206582	0.001153
907.847	0.602127	0.003467
908.329	0.389748	0.001452
908.811	0.106286	0.000641
909.293	0.04164	0.000722
909.775	0.0267154	0.000703
910.257	0.0197211	0.000868
910.739	0.0198349	0.000467
911.222	0.0252321	0.000503
911.704	0.0521382	0.000706
912.186	0.117868	0.000812
912.668	0.0353106	0.000624
913.15	0.0245742	0.000566
913.632	0.0179388	0.000769
914.114	0.0209996	0.000671
914.596	0.0274058	0.000578
915.079	0.0587002	0.000932
915.561	0.131687	0.000726
916.043	0.0459282	0.000741
916.525	0.0456244	0.000962
917.007	0.0307699	0.000438
917.489	0.0433761	0.00062
917.971	0.0865225	0.001196
918.453	0.211225	0.001474
918.935	0.079635	0.000993
919.418	0.0620859	0.000634
919.9	0.0655509	0.000873
920.382	0.124019	0.001467
920.864	0.32098	0.00122
921.346	0.377328	0.001362
921.828	0.150485	0.000678
922.31	0.095345	0.001053
922.792	0.163792	0.001047
923.275	0.406721	0.002574

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.394504	0.001988
924.239	0.205666	0.001104
924.721	0.2076	0.001681
925.203	0.429004	0.002285
925.685	0.603114	0.002322
926.167	0.354166	0.001787
926.649	0.517363	0.001934
927.132	1.28853	0.016511
927.614	0.935719	0.006178
928.096	0.890548	0.007258
928.578	1.26231	0.011348
929.06	1.13386	0.008112
929.542	0.975919	0.005894
930.024	1.39435	0.015436
930.506	1.47295	0.027359
930.988	1.47175	0.019267
931.471	1.3305	0.013511
931.953	1.08236	0.008735
932.435	0.787556	0.005896
932.917	0.728182	0.002707
933.399	0.352015	0.001653
933.881	0.43796	0.002111
934.363	0.388095	0.002585
934.845	0.170418	0.000836
935.328	0.207103	0.002652
935.81	0.243221	0.001443
936.292	0.0717522	0.0021
936.774	0.0850326	0.004933
937.256	0.107846	0.002066
937.738	0.0670359	0.001518
938.22	0.0376721	0.000796
938.702	0.0535546	0.000975
939.184	0.0610419	0.000693
939.667	0.0290781	0.000908
940.149	0.0297675	0.000821
940.631	0.0315752	0.000801
941.113	0.0253333	0.001266
941.595	0.0234401	0.000555
942.077	0.0229681	0.00039
942.559	0.0308633	0.00065
943.041	0.0240028	0.00093
943.523	0.0225904	0.000824
944.006	0.0279482	0.00064
944.488	0.032149	0.000697
944.97	0.0544165	0.000757

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0523799	0.000672
945.934	0.0520646	0.000518
946.416	0.058233	0.000903
946.898	0.0609412	0.000575
947.38	0.112292	0.000931
947.863	0.282224	0.001595
948.345	0.257511	0.000953
948.827	0.0903619	0.000457
949.309	0.128223	0.001396
949.791	0.0791593	0.001112
950.273	0.0836303	0.000904
950.755	0.0964125	0.000689
951.237	0.233637	0.001124
951.719	0.433832	0.00295
952.202	0.0917574	0.000571
952.684	0.0494465	0.001053
953.166	0.0465966	0.000947
953.648	0.0386161	0.000621
954.13	0.0524506	0.000716
954.612	0.0501237	0.000609
955.094	0.0484308	0.001017
955.576	0.065045	0.001035
956.058	0.100215	0.001137
956.541	0.0767578	0.001072
957.023	0.0887975	0.000768
957.505	0.154168	0.001405
957.987	0.161594	0.000883
958.469	0.123557	0.000935
958.951	0.187005	0.000876
959.433	0.283856	0.001255
959.915	0.240484	0.000884
960.398	0.301599	0.001658
960.88	0.560921	0.002202
961.362	0.403527	0.001687
961.844	0.656652	0.00301
962.326	0.748015	0.005378
962.808	0.67166	0.00299
963.29	1.14259	0.01224
963.772	1.01866	0.008206
964.254	1.3148	0.010096
964.737	1.33171	0.010502
965.219	1.46142	0.014675
965.701	1.33544	0.01498
966.183	1.27977	0.013289
966.665	1.15875	0.005237

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	1.02834	0.004185
967.629	0.750648	0.003396
968.111	0.343535	0.001196
968.594	0.119368	0.000917
969.076	0.0678002	0.000766
969.558	0.0503268	0.000744
970.04	0.0416644	0.000717
970.522	0.0450379	0.00063
971.004	0.0879641	0.001047
971.486	0.215694	0.001334
971.968	0.208528	0.000701
972.45	0.0322947	0.000807
972.933	0.0166284	0.000661
973.415	0.0096015	0.000577
973.897	0.0065365	0.000764
974.379	0.0058876	0.000681
974.861	0.005042	0.000358
975.343	0.0055119	0.000644
975.825	0.004292	0.000584
976.307	0.0031245	0.000634
976.79	0.0033962	0.000806
977.272	0.0040763	0.000959
977.754	0.0033291	0.000352
978.236	0.0040328	0.000568
978.718	0.0041339	0.000648
979.2	0.0052574	0.000734
979.682	0.0051493	0.000588
980.164	0.0060945	0.000663
980.646	0.0049157	0.000603
981.129	0.0054486	0.000429
981.611	0.0053963	0.000387
982.093	0.0054899	0.000452
982.575	0.0054879	0.001043
983.057	0.0060627	0.000601
983.539	0.0059322	0.000683
984.021	0.0062533	0.000954
984.503	0.0076599	0.000807
984.986	0.0072577	0.00037
985.468	0.00952	0.000482
985.95	0.0115706	0.000591
986.432	0.013914	0.000675
986.914	0.0194374	0.00062
987.396	0.0300314	0.001057
987.878	0.0355121	0.000406
988.36	0.0299063	0.000514

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0233874	0.000725
989.325	0.0296776	0.000512
989.807	0.0388255	0.000757
990.289	0.0602835	0.000868
990.771	0.120797	0.000639
991.253	0.298554	0.002035
991.735	0.575155	0.002149
992.217	0.699621	0.001565
992.699	0.505549	0.002026
993.181	0.118473	0.000848
993.664	0.0432536	0.000562
994.146	0.0230768	0.000517
994.628	0.0158768	0.000799
995.11	0.0128991	0.000752
995.592	0.0115405	0.000481
996.074	0.0093151	0.0006
996.556	0.0101392	0.000757
997.038	0.0097234	0.000473
997.521	0.0094476	0.000752
998.003	0.0087485	0.000462
998.485	0.0087922	0.00075
998.967	0.0088807	0.000854
999.449	0.011496	0.000888
999.931	0.0109468	0.000704
1000.41	0.0121629	0.000556
1000.89	0.0132448	0.000644
1001.37	0.0131895	0.000369
1001.86	0.0171539	0.000835
1002.34	0.0179115	0.000898
1002.82	0.0161323	0.000708
1003.3	0.0187033	0.000854
1003.78	0.0210487	0.000454
1004.27	0.0244282	0.000507
1004.75	0.0306528	0.000898
1005.23	0.0433309	0.000692
1005.71	0.0644853	0.00085
1006.19	0.100207	0.001017
1006.68	0.217328	0.001791
1007.16	0.553895	0.002409
1007.64	0.397857	0.0016
1008.12	0.0914092	0.000753
1008.6	0.0513926	0.00064
1009.09	0.0477293	0.00099
1009.57	0.0552762	0.000999
1010.05	0.097179	0.000917

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.231513	0.001661
1011.02	0.551949	0.003008
1011.5	0.233791	0.001165
1011.98	0.320699	0.00156
1012.46	0.556458	0.002241
1012.94	0.418917	0.002983
1013.43	0.127399	0.001274
1013.91	0.0323864	0.00113
1014.39	0.0174755	0.000729
1014.87	0.0105762	0.000568
1015.35	0.0099871	0.000712
1015.84	0.0089008	0.000509
1016.32	0.0075355	0.000363
1016.8	0.0082611	0.000832
1017.28	0.0074192	0.000741
1017.77	0.0076488	0.000686
1018.25	0.0076011	0.000815
1018.73	0.0091351	0.000644
1019.21	0.0088099	0.000631
1019.69	0.0108447	0.000965
1020.18	0.0136331	0.00091
1020.66	0.0144687	0.000688
1021.14	0.0143737	0.000703
1021.62	0.0207907	0.000684
1022.1	0.025617	0.000704
1022.59	0.0449761	0.000891
1023.07	0.0320867	0.000701
1023.55	0.0207222	0.001201
1024.03	0.0287267	0.000587
1024.52	0.0397057	0.000758
1025	0.0405913	0.000794
1025.48	0.0575183	0.00117
1025.96	0.11792	0.000841
1026.44	0.29519	0.001355
1026.93	0.547571	0.002093
1027.41	0.123881	0.001145
1027.89	0.0542766	0.000893
1028.37	0.0405267	0.000685
1028.85	0.0436631	0.000862
1029.34	0.0731732	0.000982
1029.82	0.160996	0.000907
1030.3	0.316971	0.001404
1030.78	0.110941	0.000746
1031.26	0.191258	0.000995
1031.75	0.465317	0.002685

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.460002	0.002577
1032.71	0.304341	0.001391
1033.19	0.711758	0.004447
1033.67	0.574006	0.002205
1034.16	0.547152	0.002558
1034.64	0.13593	0.000779
1035.12	0.0485135	0.001139
1035.6	0.0280322	0.00103
1036.08	0.0188449	0.000505
1036.57	0.0158232	0.000611
1037.05	0.0136012	0.000476
1037.53	0.0128457	0.000574
1038.01	0.0111693	0.000618
1038.49	0.0149304	0.000852
1038.98	0.0158387	0.000596
1039.46	0.023757	0.000592
1039.94	0.0189396	0.001198
1040.42	0.0231854	0.000955
1040.9	0.0386016	0.000449
1041.39	0.0189009	0.000677
1041.87	0.0210757	0.001266
1042.35	0.0280479	0.000803
1042.83	0.0390213	0.000806
1043.32	0.0400178	0.00088
1043.8	0.0466794	0.000421
1044.28	0.065359	0.000475
1044.76	0.104238	0.001368
1045.24	0.211546	0.00097
1045.73	0.49977	0.003087
1046.21	0.823994	0.00433
1046.69	0.353604	0.001797
1047.17	0.111432	0.000778
1047.65	0.0625739	0.000895
1048.14	0.0595003	0.000722
1048.62	0.103305	0.001174
1049.1	0.206982	0.001211
1049.58	0.0815666	0.000876
1050.06	0.05235	0.000795
1050.55	0.0878343	0.001141
1051.03	0.190103	0.001188
1051.51	0.291277	0.001835
1051.99	0.119974	0.001169
1052.47	0.239742	0.001087
1052.96	0.539657	0.002572
1053.44	0.236547	0.001244

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.336795	0.002738
1054.4	0.351948	0.002205
1054.88	0.321878	0.001433
1055.37	0.0553281	0.000948
1055.85	0.0224112	0.000674
1056.33	0.0167314	0.000985
1056.81	0.0162868	0.000911
1057.29	0.0107553	0.000705
1057.78	0.0119942	0.00079
1058.26	0.0163905	0.000829
1058.74	0.025626	0.000641
1059.22	0.0121196	0.001038
1059.71	0.0167902	0.000717
1060.19	0.0209267	0.001069
1060.67	0.0148847	0.000989
1061.15	0.0182761	0.000855
1061.63	0.0243407	0.001084
1062.12	0.0244218	0.000778
1062.6	0.031789	0.000965
1063.08	0.0414985	0.000514
1063.56	0.0588476	0.001029
1064.04	0.0931357	0.001064
1064.53	0.199374	0.001596
1065.01	0.484182	0.002712
1065.49	0.645977	0.002145
1065.97	0.206943	0.0013
1066.45	0.0808323	0.000726
1066.94	0.081646	0.000794
1067.42	0.149405	0.001432
1067.9	0.265754	0.001696
1068.38	0.0505179	0.000541
1068.86	0.033084	0.00073
1069.35	0.0436088	0.000802
1069.83	0.0944768	0.000554
1070.31	0.195428	0.001674
1070.79	0.0998032	0.000869
1071.27	0.0532877	0.000828
1071.76	0.0968481	0.000627
1072.24	0.186833	0.001107
1072.72	0.193161	0.001393
1073.2	0.129957	0.001035
1073.68	0.270626	0.002316
1074.17	0.399595	0.00231
1074.65	0.210014	0.001433
1075.13	0.474891	0.002817

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.415812	0.002516
1076.09	0.250708	0.001127
1076.58	0.042041	0.000847
1077.06	0.021016	0.000838
1077.54	0.0132797	0.000704
1078.02	0.0129026	0.000409
1078.51	0.016903	0.000412
1078.99	0.0234432	0.000759
1079.47	0.0200842	0.000865
1079.95	0.0197069	0.001136
1080.43	0.022346	0.000858
1080.92	0.0242285	0.00061
1081.4	0.0261908	0.000881
1081.88	0.0367866	0.000582
1082.36	0.0498117	0.000734
1082.84	0.0791323	0.000677
1083.33	0.151403	0.001451
1083.81	0.349271	0.001987
1084.29	0.765042	0.003613
1084.77	0.426942	0.002253
1085.25	0.14041	0.000614
1085.74	0.106393	0.000907
1086.22	0.128353	0.000972
1086.7	0.0346236	0.000979
1087.18	0.025312	0.000929
1087.66	0.0276328	0.000639
1088.15	0.0469992	0.000814
1088.63	0.109694	0.000721
1089.11	0.227553	0.001322
1089.59	0.0830848	0.00072
1090.07	0.0277752	0.000789
1090.56	0.0345118	0.000735
1091.04	0.0700631	0.000632
1091.52	0.142506	0.001199
1092	0.0725842	0.000718
1092.48	0.042706	0.000649
1092.97	0.0823568	0.000944
1093.45	0.172292	0.000941
1093.93	0.0943872	0.001303
1094.41	0.129705	0.001102
1094.9	0.299845	0.002237
1095.38	0.142022	0.001362
1095.86	0.208378	0.001118
1096.34	0.153869	0.001114
1096.82	0.0869995	0.001223

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0247734	0.000839
1097.79	0.020456	0.000612
1098.27	0.0160222	0.00079
1098.75	0.0138749	0.000513
1099.23	0.0145483	0.000738
1099.72	0.0191899	0.001087
1100.2	0.01842	0.000774
1100.68	0.0231545	0.000834
1101.16	0.035519	0.000779
1101.64	0.051781	0.000985
1102.13	0.098209	0.001164
1102.61	0.241576	0.001853
1103.09	0.596327	0.00256
1103.57	0.409911	0.001907
1104.05	0.134136	0.000733
1104.54	0.0541473	0.000735
1105.02	0.0257212	0.000996
1105.5	0.0199317	0.001063
1105.98	0.0163461	0.000827
1106.46	0.0174795	0.000709
1106.95	0.03035	0.000764
1107.43	0.0605641	0.00063
1107.91	0.0733414	0.001016
1108.39	0.0205535	0.000488
1108.87	0.0180009	0.000881
1109.36	0.0218586	0.001369
1109.84	0.0527226	0.000773
1110.32	0.124805	0.001013
1110.8	0.106313	0.00097
1111.28	0.0245861	0.000936
1111.77	0.0257905	0.000691
1112.25	0.0502516	0.000895
1112.73	0.108194	0.001018
1113.21	0.0366926	0.000792
1113.7	0.0323386	0.000697
1114.18	0.065805	0.00084
1114.66	0.126827	0.000966
1115.14	0.0613933	0.000831
1115.62	0.124874	0.00076
1116.11	0.162334	0.000854
1116.59	0.134783	0.001047
1117.07	0.185251	0.001526
1117.55	0.236049	0.001283
1118.03	0.025028	0.000561
1118.52	0.0186571	0.000795

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0173843	0.000502
1119.48	0.0218577	0.000718
1119.96	0.0309229	0.000638
1120.44	0.0477673	0.000884
1120.93	0.105543	0.000807
1121.41	0.264575	0.001253
1121.89	0.573209	0.002554
1122.37	0.231468	0.001067
1122.85	0.05558	0.001038
1123.34	0.0268409	0.000879
1123.82	0.0160924	0.000809
1124.3	0.0118242	0.000413
1124.78	0.0140171	0.000395
1125.26	0.0264726	0.000858
1125.75	0.0494581	0.001119
1126.23	0.0230773	0.000536
1126.71	0.0081814	0.000814
1127.19	0.0065166	0.000423
1127.67	0.0076191	0.000672
1128.16	0.0127632	0.000478
1128.64	0.0319999	0.000563
1129.12	0.0653666	0.000663
1129.6	0.0135197	0.000733
1130.09	0.0099711	0.000528
1130.57	0.0157578	0.000544
1131.05	0.0372741	0.000926
1131.53	0.0810917	0.000405
1132.01	0.0504842	0.000701
1132.5	0.0143479	0.000645
1132.98	0.0187603	0.000532
1133.46	0.0358963	0.000681
1133.94	0.0594655	0.0007
1134.42	0.0200437	0.000591
1134.91	0.0355699	0.000524
1135.39	0.0710993	0.000804
1135.87	0.0332807	0.000851
1136.35	0.0661122	0.001136
1136.83	0.0935359	0.000921
1137.32	0.0754383	0.000695
1137.8	0.0678186	0.001026
1138.28	0.0336034	0.000517
1138.76	0.038201	0.000675
1139.24	0.0733191	0.00082
1139.73	0.132778	0.001229
1140.21	0.317924	0.00145

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.287933	0.000942
1141.17	0.0431446	0.000567
1141.65	0.0178664	0.000474
1142.14	0.0105324	0.000518
1142.62	0.0119697	0.000635
1143.1	0.0218157	0.0007
1143.58	0.0445949	0.000586
1144.06	0.0265276	0.000661
1144.55	0.0067453	0.00047
1145.03	0.0057444	0.000353
1145.51	0.0030774	0.000503
1145.99	0.0061629	0.000587
1146.48	0.0070742	0.000636
1146.96	0.0172283	0.00079
1147.44	0.0323417	0.000587
1147.92	0.0047133	0.000547
1148.4	0.0031235	0.000571
1148.89	0.0044424	0.000656
1149.37	0.007	0.000453
1149.85	0.0167871	0.000467
1150.33	0.0335106	0.000406
1150.81	0.0052954	0.000677
1151.3	0.005128	0.00065
1151.78	0.0115981	0.000395
1152.26	0.0277896	0.000341
1152.74	0.0595784	0.000829
1153.22	0.0086019	0.000574
1153.71	0.0095284	0.000549
1154.19	0.0166703	0.000494
1154.67	0.0329142	0.000507
1155.15	0.0110333	0.000838
1155.63	0.024599	0.000635
1156.12	0.0492845	0.000607
1156.6	0.0420603	0.0006
1157.08	0.0686385	0.000719
1157.56	0.0594411	0.000633
1158.04	0.153711	0.000994
1158.53	0.330869	0.00159
1159.01	0.275941	0.0014
1159.49	0.0312861	0.000572
1159.97	0.0098537	0.000584
1160.45	0.0075191	0.000446
1160.94	0.0101069	0.000708
1161.42	0.0163296	0.000622
1161.9	0.0021523	0.000509

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0004626	0.000569
1162.86	0.0020497	0.000607
1163.35	0.0021497	0.00073
1163.83	0.0032467	0.000659
1164.31	0.0055479	0.000774
1164.79	0.012421	0.000409
1165.28	0.0279126	0.000618
1165.76	0.0053399	0.000427
1166.24	0.0026984	0.000644
1166.72	0.0018604	0.000394
1167.2	0.0029775	0.000485
1167.69	0.0037369	0.000707
1168.17	0.0092521	0.000551
1168.65	0.015092	0.000661
1169.13	0.0019394	0.000699
1169.61	0.0018446	0.000651
1170.1	0.0027024	0.000707
1170.58	0.0053552	0.000545
1171.06	0.0105749	0.000493
1171.54	0.010398	0.000679
1172.02	0.0057937	0.000818
1172.51	0.0091235	0.000563
1172.99	0.0217361	0.000512
1173.47	0.0318706	0.000463
1173.95	0.0064545	0.000583
1174.43	0.0114461	0.000961
1174.92	0.0164434	0.000426
1175.4	0.0198346	0.000426
1175.88	0.0415608	0.000497
1176.36	0.111664	0.001218
1176.84	0.249703	0.000948
1177.33	0.0817948	0.00051
1177.81	0.0206039	0.000606
1178.29	0.0216209	0.000586
1178.77	0.0121822	0.000638
1179.25	0.0034613	0.000576
1179.74	0.002358	0.000539
1180.22	0.0017857	0.000417
1180.7	0.0000178	0.000401
1181.18	0.0002115	0.000822
1181.67	-0.0005361	0.000604
1182.15	0.0008888	0.000681
1182.63	0.0021838	0.000424
1183.11	0.0056929	0.000651
1183.59	0.0000837	0.000421

Ammonia

4.06 Mole %

A05NH3

D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0010674	0.000391
1184.56	0.0001724	0.00043
1185.04	-0.0004183	0.000559
1185.52	0.0014441	0.000474
1186	0.0052106	0.000482
1186.49	0.0116374	0.000518
1186.97	0.0051605	0.000362
1187.45	0.0002423	0.000429
1187.93	0.0014687	0.000566
1188.41	0.0020016	0.00039
1188.9	0.0032705	0.00055
1189.38	0.0071108	0.00084
1189.86	0.0045604	0.000697
1190.34	0.0019542	0.000367
1190.82	0.0014445	0.000681
1191.31	0.0027976	0.000325
1191.79	0.0057801	0.000469
1192.27	0.0048684	0.000509
1192.75	0.0059202	0.00042
1193.23	0.0098156	0.000566
1193.72	0.0235671	0.000452
1194.2	0.051383	0.000594
1194.68	0.118746	0.000396
1195.16	0.0820064	0.001031
1195.64	0.0175959	0.000471
1196.13	0.0044475	0.000491
1196.61	0.0069674	0.000589
1197.09	0.0035836	0.000436
1197.57	0.0099157	0.000537
1198.06	0.0082947	0.000516
1198.54	0.008627	0.000387
1199.02	-0.001022	0.000244
1199.5	-0.0002462	0.000279
1199.98	0.0008611	0.000389
1200.47	0.0025655	0.000324
1200.95	-0.0002067	0.000625
1201.43	-0.000872	0.000546
1201.91	-0.0003549	0.000438
1202.39	-0.0001399	0.000656
1202.88	-0.0004468	0.000662
1203.36	-0.0003156	0.000466
1203.84	0.0015566	0.000574
1204.32	0.0015152	0.000463
1204.8	-0.0004179	0.00064
1205.29	-0.0000645	0.000555

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0008721	0.000732
1206.25	-0.0001087	0.000656
1206.73	0.0011874	0.000478
1207.21	0.002186	0.000342
1207.7	0.0046145	0.000449
1208.18	0.0003383	0.00041
1208.66	0.0006954	0.0003
1209.14	0.0003567	0.000466
1209.62	0.0013596	0.000501
1210.11	0.0036368	0.000459
1210.59	0.0017406	0.000497
1211.07	0.0032303	0.00053
1211.55	0.011548	0.000552
1212.03	0.0279802	0.000639
1212.52	0.058104	0.00049
1213	0.0222403	0.000429
1213.48	0.0110427	0.000395
1213.96	0.0040267	0.000631
1214.45	0.0002801	0.00032
1214.93	0.000131	0.000575
1215.41	0.0024413	0.000384
1215.89	0.0011853	0.000517
1216.37	0.0019305	0.000443
1216.86	0.0011724	0.000481
1217.34	0.0036522	0.000699
1217.82	0.0033936	0.000291
1218.3	-0.0000243	0.000743
1218.78	-0.0003824	0.00073
1219.27	0.0000644	0.000358
1219.75	-0.0005176	0.000428
1220.23	-0.0006395	0.000668
1220.71	-0.0000933	0.000604
1221.19	0.0002497	0.000529
1221.68	0.0015787	0.000437
1222.16	-0.0011866	0.000377
1222.64	-0.000938	0.000683
1223.12	0.0001015	0.000568
1223.6	-0.0004696	0.000472
1224.09	0.0004185	0.000417
1224.57	0.0004062	0.000363
1225.05	0.0012888	0.000439
1225.53	-0.0006251	0.000284
1226.01	0.0007364	0.000636
1226.5	-0.0006328	0.000462
1226.98	0.0000715	0.000432

Ammonia

4.06 Mole %

A05NH3

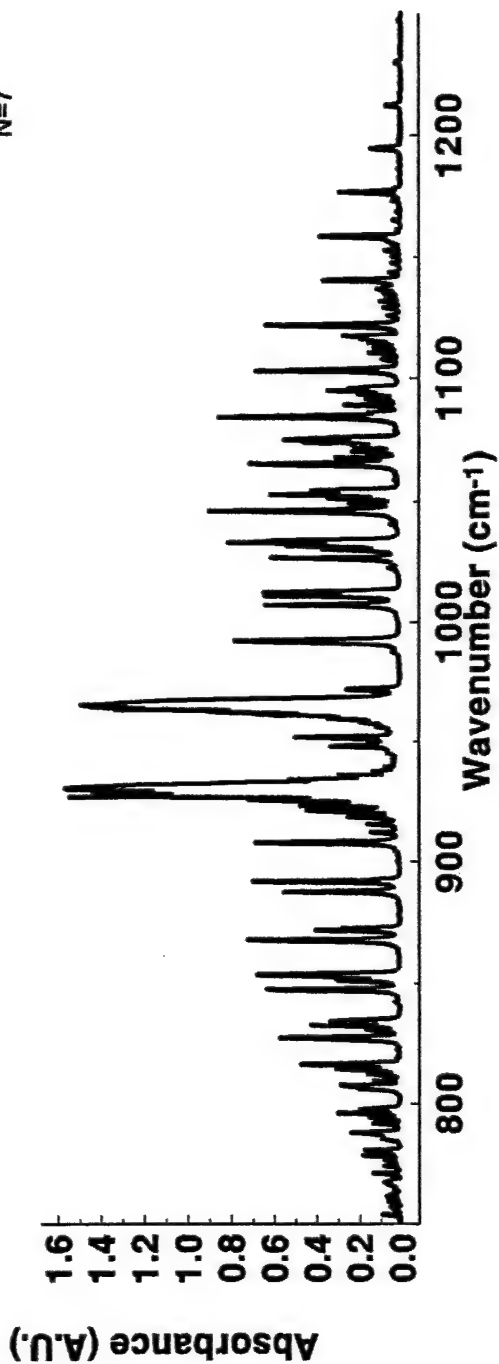
D05NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0009734	0.000609
1227.94	0.0016336	0.000728
1228.42	0.0007387	0.000393
1228.91	0.0024982	0.000592
1229.39	0.0087495	0.00018
1229.87	0.020291	0.000427
1230.35	0.0184861	0.000524
1230.83	0.0036151	0.000178
1231.32	0.0014919	0.000452
1231.8	-4.75E-06	0.000486
1232.28	0.0002632	0.000495
1232.76	0.0000306	0.000666
1233.25	0.000036	0.000522
1233.73	0.0009243	0.000613
1234.21	0.0003073	0.000891
1234.69	-0.0005602	0.000361
1235.17	-0.0007063	0.000325
1235.66	0.0004087	0.000452
1236.14	0.0003097	0.000486
1236.62	0.0001759	0.000383
1237.1	-0.0002446	0.000298
1237.58	-0.0006594	0.000414
1238.07	-0.0005318	0.000575
1238.55	-0.0005445	0.000539
1239.03	-0.0001409	0.000708
1239.51	0.0003985	0.000357
1239.99	-0.0001469	0.000465
1240.48	-0.0003679	0.000384
1240.96	-0.000084	0.000369
1241.44	-0.0007942	0.000484
1241.92	-0.0005234	0.000374
1242.4	-0.0009843	0.000392
1242.89	-0.0003422	0.000286
1243.37	-0.0005517	0.000516
1243.85	0.0010226	0.000457
1244.33	-0.0001426	0.000443
1244.81	0.0007246	0.000439
1245.3	-0.0004751	0.000572
1245.78	0.0001843	0.000524
1246.26	0.0010695	0.000501
1246.74	0.0036494	0.000316
1247.22	0.0070473	0.000359
1247.71	0.0043899	0.000613
1248.19	0.001636	0.000518
1248.67	0.0007275	0.000268

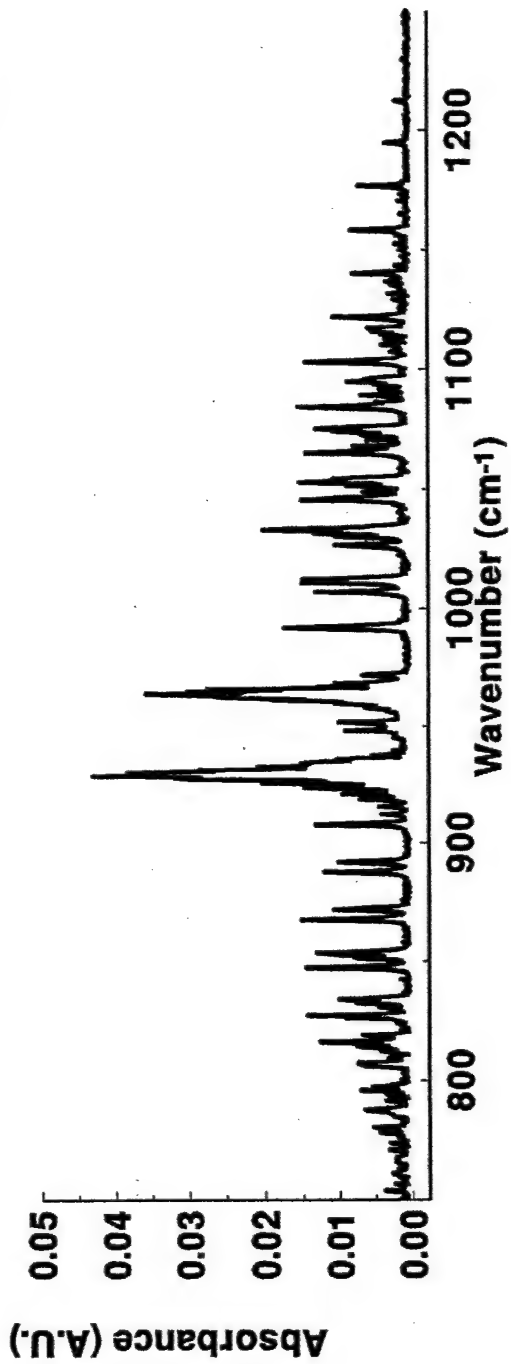
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0007993	0.000596
1249.63	-0.0011689	0.00046
1250.12	0.0004696	0.000341

5.005 Mole %

A06NH3
N=7



D06NH3



Ammonia

5.005 Mole %

A06NH3
D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0108113	0.001625
750.677	0.0089921	0.001043
751.159	0.0121095	0.000708
751.641	0.0165027	0.001171
752.123	0.0104561	0.000818
752.605	0.0141388	0.001362
753.087	0.0374186	0.001876
753.57	0.089425	0.003683
754.052	0.0106669	0.001365
754.534	0.0113318	0.001253
755.016	0.0163871	0.001221
755.498	0.0407861	0.001707
755.98	0.0212683	0.000717
756.462	0.0537966	0.002341
756.944	0.0109051	0.000867
757.426	0.0091624	0.000976
757.909	0.0138275	0.001012
758.391	0.0389876	0.001372
758.873	0.0635769	0.001717
759.355	0.0162244	0.000721
759.837	0.0238735	0.001853
760.319	0.0654423	0.002012
760.801	0.0705308	0.002571
761.283	0.0253019	0.002166
761.766	0.0572027	0.001578
762.248	0.0279153	0.001191
762.73	0.0422191	0.001943
763.212	0.0160561	0.000961
763.694	0.0254185	0.001043
764.176	0.0386242	0.001328
764.658	0.0391578	0.000952
765.14	0.0286612	0.001945
765.622	0.0434537	0.002294
766.105	0.0685033	0.002196
766.587	0.0547732	0.002222
767.069	0.0827194	0.002095
767.551	0.0667916	0.002152
768.033	0.0564788	0.001932
768.515	0.0139215	0.001032
768.997	0.011771	0.000939
769.479	0.0155647	0.001068
769.961	0.0256171	0.000926
770.444	0.0636259	0.002179
770.926	0.134326	0.003103
771.408	0.0216339	0.001439

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0176291	0.000833
772.372	0.0233289	0.000671
772.854	0.0160688	0.000868
773.336	0.0337399	0.00161
773.818	0.0828661	0.002957
774.301	0.0273264	0.001687
774.783	0.0277712	0.000788
775.265	0.0283595	0.001373
775.747	0.0325419	0.001322
776.229	0.0852398	0.001936
776.711	0.0365885	0.001297
777.193	0.0306536	0.00148
777.675	0.0626566	0.002011
778.157	0.183404	0.004387
778.64	0.038082	0.001615
779.122	0.0628784	0.001982
779.604	0.140498	0.003476
780.086	0.147395	0.004057
780.568	0.176092	0.005225
781.05	0.0206316	0.001271
781.532	0.017561	0.001333
782.014	0.0099933	0.001182
782.497	0.0155682	0.001382
782.979	0.0187692	0.000838
783.461	0.017427	0.001025
783.943	0.0192779	0.000841
784.425	0.0367634	0.00098
784.907	0.0749685	0.002493
785.389	0.0966607	0.002617
785.871	0.0908974	0.002657
786.353	0.0927725	0.003108
786.836	0.107165	0.003977
787.318	0.169431	0.005581
787.8	0.238035	0.006369
788.282	0.175949	0.004804
788.764	0.0500221	0.00234
789.246	0.0211474	0.001291
789.728	0.0194105	0.000939
790.21	0.0217368	0.001011
790.692	0.0235174	0.001244
791.175	0.0562706	0.002085
791.657	0.136419	0.003557
792.139	0.0210016	0.00146
792.621	0.017024	0.000655
793.103	0.0200253	0.000706

Ammonia

5.005 Mole %

A06NH3

D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0536545	0.001919
794.067	0.154813	0.003559
794.549	0.0400239	0.001373
795.032	0.0402423	0.001366
795.514	0.108302	0.003031
795.996	0.299886	0.006972
796.478	0.0598363	0.001967
796.96	0.0885916	0.002238
797.442	0.198073	0.005374
797.924	0.129642	0.003138
798.406	0.073628	0.002409
798.888	0.0260974	0.000949
799.371	0.0182771	0.000681
799.853	0.0141222	0.0008
800.335	0.0139796	0.00146
800.817	0.0142539	0.000742
801.299	0.0117949	0.000749
801.781	0.0125694	0.000766
802.263	0.011375	0.001098
802.745	0.0123185	0.000956
803.227	0.0118655	0.00124
803.71	0.0168416	0.000766
804.192	0.0286812	0.000829
804.674	0.0257039	0.001378
805.156	0.0489328	0.000857
805.638	0.1201	0.003624
806.12	0.203826	0.006609
806.602	0.179293	0.005398
807.084	0.24217	0.007358
807.567	0.286228	0.007275
808.049	0.0647437	0.001852
808.531	0.0330576	0.001452
809.013	0.0535665	0.001921
809.495	0.134463	0.003258
809.977	0.0527077	0.001641
810.459	0.0290116	0.001321
810.941	0.0270226	0.000602
811.423	0.0430525	0.001749
811.906	0.121381	0.003313
812.388	0.164363	0.004372
812.87	0.0539689	0.002196
813.352	0.0768559	0.002743
813.834	0.218147	0.004969
814.316	0.309289	0.007507
814.798	0.105736	0.003244

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.21474	0.005878
815.762	0.244051	0.007044
816.245	0.472528	0.012551
816.727	0.298257	0.006972
817.209	0.0503768	0.002887
817.691	0.0264855	0.002587
818.173	0.0240234	0.002675
818.655	0.0261255	0.005664
819.137	0.014601	0.006737
819.619	0.0211112	0.002206
820.102	0.0150389	0.001271
820.584	0.0163371	0.000537
821.066	0.0133863	0.001602
821.548	0.0150257	0.000978
822.03	0.0173082	0.000614
822.512	0.0242742	0.001348
822.994	0.0179514	0.00104
823.476	0.015852	0.001139
823.959	0.0209553	0.002181
824.441	0.0268264	0.001005
824.923	0.0292118	0.001497
825.405	0.0477183	0.002344
825.887	0.0998723	0.002948
826.369	0.292766	0.009132
826.851	0.35768	0.009289
827.333	0.57067	0.014293
827.816	0.405764	0.007749
828.298	0.0621571	0.002301
828.78	0.0377626	0.001247
829.262	0.0383345	0.001505
829.744	0.0463222	0.001962
830.226	0.11235	0.003052
830.708	0.173103	0.004532
831.19	0.0579448	0.00159
831.672	0.0804813	0.002175
832.155	0.222126	0.005592
832.637	0.426034	0.007703
833.119	0.122785	0.004584
833.601	0.203947	0.00586
834.083	0.337804	0.009978
834.565	0.289115	0.007428
835.047	0.121038	0.003557
835.529	0.040908	0.001475
836.011	0.0269205	0.000748
836.494	0.0193733	0.00119

Ammonia

5.005 Mole %

A06NH3
D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0178453	0.000521
837.458	0.0146007	0.000378
837.94	0.0152811	0.000819
838.422	0.0157035	0.000805
838.904	0.0127228	0.000546
839.386	0.0125796	0.000362
839.868	0.0118896	0.000857
840.351	0.0109794	0.000481
840.833	0.0125214	0.000681
841.315	0.0156909	0.000969
841.797	0.0225424	0.000543
842.279	0.032498	0.001466
842.761	0.0269457	0.000443
843.243	0.0179375	0.000602
843.725	0.024021	0.000647
844.207	0.020097	0.000613
844.69	0.0250207	0.000844
845.172	0.0347483	0.00086
845.654	0.0485984	0.001122
846.136	0.0794078	0.002481
846.618	0.182254	0.004252
847.1	0.532472	0.014501
847.582	0.62984	0.010062
848.064	0.157684	0.004386
848.546	0.0546787	0.001456
849.029	0.0448262	0.001258
849.511	0.0461383	0.001737
849.993	0.0569166	0.001562
850.475	0.106246	0.002327
850.957	0.295979	0.007601
851.439	0.310287	0.007962
851.921	0.154564	0.003878
852.403	0.336804	0.009596
852.886	0.398108	0.010811
853.368	0.674252	0.013055
853.85	0.486338	0.007047
854.332	0.104559	0.003369
854.814	0.046884	0.001734
855.296	0.0278932	0.001057
855.778	0.0211295	0.000982
856.26	0.017692	0.000828
856.742	0.0170495	0.000644
857.225	0.0139215	0.000523
857.707	0.0148735	0.001116
858.189	0.0164879	0.000964

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0127901	0.000548
859.153	0.0129164	0.000726
859.635	0.0153192	0.000533
860.117	0.0124683	0.001001
860.599	0.0121286	0.000605
861.081	0.0148602	0.000592
861.564	0.0163787	0.000785
862.046	0.0160582	0.000531
862.528	0.0198271	0.000913
863.01	0.0221249	0.000786
863.492	0.0178254	0.001144
863.974	0.0181416	0.000595
864.456	0.0231937	0.00103
864.938	0.0325862	0.001137
865.421	0.0489246	0.001469
865.903	0.0561142	0.001149
866.385	0.0958656	0.002661
866.867	0.209094	0.005362
867.349	0.634408	0.015087
867.831	0.720495	0.010304
868.313	0.214418	0.006431
868.795	0.0813979	0.0028
869.277	0.0438662	0.001502
869.76	0.036784	0.00143
870.242	0.0409394	0.001108
870.724	0.0639262	0.001973
871.206	0.161962	0.005143
871.688	0.403408	0.010761
872.17	0.269671	0.006999
872.652	0.280589	0.006711
873.134	0.0498204	0.001753
873.617	0.0248006	0.001035
874.099	0.0175701	0.000599
874.581	0.01319	0.000743
875.063	0.0111604	0.000933
875.545	0.0121096	0.001247
876.027	0.0116319	0.00094
876.509	0.0107983	0.000522
876.991	0.0090982	0.000915
877.474	0.0129242	0.000673
877.956	0.0143097	0.000988
878.438	0.0120697	0.000549
878.92	0.0104718	0.000374
879.402	0.0114134	0.000885
879.884	0.0113199	0.000695

Ammonia

5.005 Mole %

A06NH3
D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0109388	0.000943
880.848	0.0116305	0.000581
881.33	0.0117009	0.000311
881.813	0.0122559	0.000602
882.295	0.0128743	0.001025
882.777	0.0179044	0.00049
883.259	0.0151258	0.000844
883.741	0.0161947	0.000633
884.223	0.0164298	0.000872
884.705	0.0200519	0.000768
885.187	0.0247798	0.000939
885.669	0.0321458	0.001211
886.152	0.0503764	0.001625
886.634	0.0855052	0.002347
887.116	0.208698	0.005491
887.598	0.551194	0.012017
888.08	0.458372	0.009333
888.562	0.0997159	0.003599
889.044	0.0525116	0.001431
889.526	0.0426209	0.001669
890.009	0.046015	0.001037
890.491	0.0617637	0.001476
890.973	0.118928	0.003305
891.455	0.330484	0.006932
891.937	0.6957	0.010022
892.419	0.2234	0.006231
892.901	0.0625748	0.002185
893.383	0.0317598	0.001336
893.865	0.0214052	0.001079
894.348	0.0172833	0.00064
894.83	0.012984	0.000557
895.312	0.0132917	0.000884
895.794	0.0156097	0.00084
896.276	0.0120926	0.000587
896.758	0.0103969	0.00069
897.24	0.0107014	0.000517
897.722	0.0125808	0.000625
898.204	0.0128378	0.000787
898.687	0.0132897	0.000684
899.169	0.0127466	0.000669
899.651	0.0156508	0.000681
900.133	0.0224261	0.000568
900.615	0.0204596	0.000827
901.097	0.0139998	0.000506
901.579	0.0129134	0.000379

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0158893	0.000667
902.544	0.0190349	0.000632
903.026	0.0230339	0.000848
903.508	0.0179542	0.000657
903.99	0.0243314	0.000988
904.472	0.0338085	0.001011
904.954	0.0342208	0.001026
905.436	0.0343347	0.000885
905.918	0.0484651	0.001225
906.4	0.0631123	0.001514
906.883	0.103402	0.002653
907.365	0.243981	0.005694
907.847	0.684275	0.013188
908.329	0.454172	0.010406
908.811	0.13655	0.004218
909.293	0.0586842	0.001562
909.775	0.0372412	0.001044
910.257	0.0298199	0.001132
910.739	0.0287848	0.00106
911.222	0.0358904	0.001199
911.704	0.0651682	0.001795
912.186	0.146297	0.00409
912.668	0.0513222	0.001462
913.15	0.0366198	0.001155
913.632	0.0297872	0.000844
914.114	0.0315113	0.0008
914.596	0.0398465	0.001174
915.079	0.0748736	0.002053
915.561	0.16371	0.004479
916.043	0.0621257	0.001883
916.525	0.0593489	0.001935
917.007	0.0413647	0.001046
917.489	0.0567934	0.001747
917.971	0.106893	0.002909
918.453	0.254567	0.00715
918.935	0.105139	0.003326
919.418	0.0829711	0.00253
919.9	0.0838718	0.002947
920.382	0.154217	0.004276
920.864	0.38256	0.00961
921.346	0.448448	0.008974
921.828	0.185373	0.005519
922.31	0.119561	0.003522
922.792	0.197423	0.005035
923.275	0.475672	0.01321

Ammonia

5.005 Mole %

A06NH3

D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.477907	0.014777
924.239	0.256363	0.008468
924.721	0.250181	0.006702
925.203	0.508187	0.012792
925.685	0.719926	0.020358
926.167	0.435057	0.012008
926.649	0.610783	0.015184
927.132	1.54009	0.029223
927.614	1.14706	0.031885
928.096	1.07481	0.028503
928.578	1.43421	0.043037
929.06	1.32572	0.035305
929.542	1.16007	0.033346
930.024	1.54021	0.038384
930.506	1.56246	0.026685
930.988	1.52014	0.028611
931.471	1.37899	0.014688
931.953	1.2011	0.016595
932.435	0.919547	0.02088
932.917	0.821527	0.014665
933.399	0.439413	0.014115
933.881	0.531863	0.015187
934.363	0.458738	0.013632
934.845	0.213822	0.008522
935.328	0.253923	0.010438
935.81	0.294685	0.010238
936.292	0.0990352	0.001572
936.774	0.103648	0.003521
937.256	0.136585	0.00536
937.738	0.0872925	0.00276
938.22	0.0514976	0.001157
938.702	0.0691339	0.002291
939.184	0.0805387	0.002444
939.667	0.0407403	0.001534
940.149	0.0426202	0.000894
940.631	0.0459855	0.001306
941.113	0.0373767	0.001444
941.595	0.0338023	0.000996
942.077	0.0338388	0.001266
942.559	0.0440256	0.001315
943.041	0.0353189	0.001104
943.523	0.0325373	0.001368
944.006	0.0400646	0.001071
944.488	0.0434992	0.001443
944.97	0.0695415	0.002434

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0685486	0.00199
945.934	0.0667268	0.002199
946.416	0.0756235	0.002532
946.898	0.0805085	0.002197
947.38	0.137288	0.003285
947.863	0.331637	0.009136
948.345	0.311915	0.007568
948.827	0.117739	0.003842
949.309	0.158936	0.004587
949.791	0.0993958	0.003577
950.273	0.107595	0.003931
950.755	0.121427	0.003994
951.237	0.276037	0.007249
951.719	0.497382	0.009981
952.202	0.124405	0.004693
952.684	0.0657442	0.002265
953.166	0.0629778	0.001933
953.648	0.0541406	0.002087
954.13	0.0670062	0.001859
954.612	0.0670316	0.002083
955.094	0.0647561	0.00207
955.576	0.0813901	0.002285
956.058	0.123556	0.003361
956.541	0.0959267	0.003631
957.023	0.110962	0.003148
957.505	0.187253	0.005725
957.987	0.202087	0.006487
958.469	0.155482	0.004868
958.951	0.229235	0.006874
959.433	0.346337	0.010547
959.915	0.296872	0.009181
960.398	0.363437	0.010141
960.88	0.679127	0.018878
961.362	0.491061	0.014643
961.844	0.782352	0.022338
962.326	0.905784	0.026072
962.808	0.81116	0.025964
963.29	1.3307	0.029705
963.772	1.20107	0.035855
964.254	1.43731	0.022742
964.737	1.44769	0.030212
965.219	1.48539	0.017976
965.701	1.38018	0.027534
966.183	1.30721	0.00607
966.665	1.19066	0.012929

Ammonia

5.005 Mole %

A06NH3
D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	1.06722	0.006131
967.629	0.813759	0.010405
968.111	0.414917	0.010553
968.594	0.158447	0.005258
969.076	0.0926045	0.00357
969.558	0.0666671	0.002557
970.04	0.0580086	0.001995
970.522	0.0621496	0.002705
971.004	0.109203	0.003797
971.486	0.256725	0.006696
971.968	0.249924	0.006
972.45	0.0468037	0.002291
972.933	0.023825	0.000826
973.415	0.0174393	0.001013
973.897	0.0135317	0.000592
974.379	0.0134312	0.000751
974.861	0.0127685	0.000532
975.343	0.0121072	0.000561
975.825	0.0102194	0.00068
976.307	0.0100814	0.000338
976.79	0.009733	0.000686
977.272	0.0086918	0.000703
977.754	0.0085893	0.000863
978.236	0.0106246	0.000603
978.718	0.0099247	0.000435
979.2	0.0106075	0.000374
979.682	0.0106351	0.000746
980.164	0.0112379	0.000757
980.646	0.0111202	0.000862
981.129	0.0113585	0.000475
981.611	0.0117507	0.000588
982.093	0.0113577	0.000385
982.575	0.011958	0.000577
983.057	0.0135507	0.00053
983.539	0.0130061	0.000834
984.021	0.0122109	0.000609
984.503	0.013934	0.000521
984.986	0.0161567	0.000756
985.468	0.0142762	0.000486
985.95	0.0159905	0.00059
986.432	0.0201308	0.00079
986.914	0.0274045	0.00063
987.396	0.0415127	0.001139
987.878	0.0456395	0.001094
988.36	0.0403803	0.001264

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0352709	0.00087
989.325	0.0395815	0.000932
989.807	0.0523615	0.001183
990.289	0.0738485	0.002769
990.771	0.144747	0.003772
991.253	0.353573	0.009921
991.735	0.678322	0.017325
992.217	0.780533	0.014885
992.699	0.559811	0.008485
993.181	0.155023	0.005425
993.664	0.0592578	0.002479
994.146	0.0338438	0.001607
994.628	0.0256463	0.001643
995.11	0.0208449	0.000622
995.592	0.0174588	0.000735
996.074	0.017667	0.001159
996.556	0.0179509	0.000902
997.038	0.0157436	0.000645
997.521	0.0148984	0.000777
998.003	0.0147553	0.000973
998.485	0.0152593	0.000791
998.967	0.015077	0.000389
999.449	0.0157362	0.001097
999.931	0.0178084	0.000786
1000.41	0.0172583	0.001011
1000.89	0.0197913	0.00101
1001.37	0.0211255	0.000627
1001.86	0.0230927	0.000915
1002.34	0.0263656	0.000938
1002.82	0.0257375	0.000922
1003.3	0.0263853	0.000673
1003.78	0.0279758	0.000785
1004.27	0.0337834	0.000776
1004.75	0.0421618	0.001352
1005.23	0.0541267	0.001496
1005.71	0.0791932	0.002353
1006.19	0.122385	0.004282
1006.68	0.255187	0.006186
1007.16	0.638463	0.013211
1007.64	0.459677	0.008609
1008.12	0.121051	0.004364
1008.6	0.0679522	0.001836
1009.09	0.0635121	0.002245
1009.57	0.0709274	0.002357
1010.05	0.117322	0.003549

Ammonia

5.005 Mole %

A06NH3

D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.273145	0.006662
1011.02	0.639714	0.015063
1011.5	0.294363	0.009879
1011.98	0.377641	0.008977
1012.46	0.645762	0.014908
1012.94	0.475199	0.009581
1013.43	0.162601	0.005226
1013.91	0.0449865	0.002048
1014.39	0.0254185	0.001328
1014.87	0.0186948	0.000836
1015.35	0.0141549	0.000961
1015.84	0.014424	0.001109
1016.32	0.013796	0.000808
1016.8	0.0145388	0.00045
1017.28	0.0138136	0.001163
1017.77	0.014521	0.001035
1018.25	0.0139291	0.000856
1018.73	0.014298	0.000307
1019.21	0.0149527	0.00114
1019.69	0.016193	0.000983
1020.18	0.0176041	0.000651
1020.66	0.0203111	0.001046
1021.14	0.0219042	0.000927
1021.62	0.0278277	0.000968
1022.1	0.0352092	0.001085
1022.59	0.0606611	0.001672
1023.07	0.0435852	0.001056
1023.55	0.0285812	0.001085
1024.03	0.0390602	0.001227
1024.52	0.0534626	0.001616
1025	0.0516115	0.001842
1025.48	0.0730897	0.002335
1025.96	0.142468	0.004666
1026.44	0.344271	0.007405
1026.93	0.610327	0.010562
1027.41	0.161859	0.006278
1027.89	0.0707737	0.002195
1028.37	0.0543059	0.001552
1028.85	0.0602783	0.001954
1029.34	0.0920034	0.002846
1029.82	0.19308	0.005058
1030.3	0.375554	0.010504
1030.78	0.145092	0.004707
1031.26	0.227114	0.006214
1031.75	0.539768	0.013345

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.542528	0.013515
1032.71	0.359883	0.009739
1033.19	0.809127	0.020115
1033.67	0.660785	0.016463
1034.16	0.595685	0.006717
1034.64	0.17633	0.005949
1035.12	0.0663022	0.002933
1035.6	0.0386506	0.001482
1036.08	0.0271902	0.0012
1036.57	0.0229075	0.000686
1037.05	0.0213454	0.000998
1037.53	0.018963	0.001531
1038.01	0.0187226	0.00044
1038.49	0.0204215	0.000912
1038.98	0.0249402	0.001079
1039.46	0.0311781	0.001201
1039.94	0.0264866	0.001233
1040.42	0.0355112	0.001699
1040.9	0.0519554	0.001587
1041.39	0.0264147	0.00147
1041.87	0.0289858	0.000762
1042.35	0.0382681	0.001399
1042.83	0.0507666	0.001473
1043.32	0.0554572	0.00115
1043.8	0.0614708	0.002506
1044.28	0.0831936	0.002035
1044.76	0.130256	0.00453
1045.24	0.253061	0.007965
1045.73	0.578235	0.015116
1046.21	0.897546	0.012181
1046.69	0.424698	0.010146
1047.17	0.146398	0.005407
1047.65	0.080595	0.00281
1048.14	0.0764086	0.002249
1048.62	0.129034	0.003833
1049.1	0.248462	0.006725
1049.58	0.106695	0.003433
1050.06	0.069861	0.001946
1050.55	0.110726	0.00331
1051.03	0.228823	0.00459
1051.51	0.348797	0.008966
1051.99	0.14925	0.004131
1052.47	0.281161	0.005512
1052.96	0.614605	0.015324
1053.44	0.297605	0.011079

Ammonia

5.005 Mole %

A06NH3
D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.398149	0.010894
1054.4	0.422577	0.010855
1054.88	0.372801	0.007746
1055.37	0.0733102	0.002418
1055.85	0.0323754	0.001668
1056.33	0.0273095	0.001221
1056.81	0.0270665	0.001461
1057.29	0.0191748	0.000429
1057.78	0.0201401	0.000898
1058.26	0.0254605	0.000876
1058.74	0.0371134	0.001513
1059.22	0.0204094	0.001223
1059.71	0.0239222	0.001186
1060.19	0.0300253	0.001235
1060.67	0.0221062	0.001219
1061.15	0.0252256	0.000699
1061.63	0.0336417	0.00132
1062.12	0.0328677	0.000958
1062.6	0.041909	0.001186
1063.08	0.0541193	0.001725
1063.56	0.0752331	0.002218
1064.04	0.115951	0.003237
1064.53	0.237677	0.005919
1065.01	0.562816	0.014489
1065.49	0.712627	0.011075
1065.97	0.263556	0.007975
1066.45	0.107208	0.003745
1066.94	0.103535	0.003278
1067.42	0.181874	0.005288
1067.9	0.312971	0.007994
1068.38	0.0693544	0.002147
1068.86	0.045914	0.001681
1069.35	0.0559218	0.001734
1069.83	0.116632	0.002938
1070.31	0.23505	0.006146
1070.79	0.128412	0.004282
1071.27	0.072463	0.002018
1071.76	0.120921	0.003058
1072.24	0.223745	0.006287
1072.72	0.238241	0.006875
1073.2	0.156038	0.00424
1073.68	0.314127	0.007764
1074.17	0.462211	0.010888
1074.65	0.251674	0.00718
1075.13	0.552039	0.013163

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.476428	0.01007
1076.09	0.293797	0.006646
1076.58	0.0596286	0.002354
1077.06	0.02969	0.001228
1077.54	0.0218354	0.000814
1078.02	0.0214379	0.001069
1078.51	0.0263301	0.000922
1078.99	0.0340083	0.001379
1079.47	0.0284046	0.000844
1079.95	0.0273245	0.00095
1080.43	0.0313163	0.001426
1080.92	0.0334035	0.001442
1081.4	0.0366701	0.000909
1081.88	0.0491973	0.001608
1082.36	0.0644447	0.002192
1082.84	0.098935	0.002785
1083.33	0.183345	0.005494
1083.81	0.406807	0.010808
1084.29	0.855363	0.015522
1084.77	0.499379	0.010485
1085.25	0.183362	0.006177
1085.74	0.137948	0.003989
1086.22	0.15958	0.00485
1086.7	0.0471406	0.001813
1087.18	0.0342233	0.001173
1087.66	0.0372474	0.001276
1088.15	0.0564994	0.001969
1088.63	0.131392	0.003722
1089.11	0.269713	0.006884
1089.59	0.110137	0.003142
1090.07	0.0403231	0.001248
1090.56	0.0464173	0.00171
1091.04	0.0897185	0.002364
1091.52	0.174392	0.004369
1092	0.0952325	0.002693
1092.48	0.058327	0.001453
1092.97	0.0998379	0.00273
1093.45	0.206214	0.005125
1093.93	0.119976	0.003455
1094.41	0.155983	0.003725
1094.9	0.346732	0.008807
1095.38	0.178966	0.005438
1095.86	0.25046	0.00634
1096.34	0.188	0.005269
1096.82	0.11236	0.003171

Ammonia

5.005 Mole %

A06NH3

D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0350079	0.00105
1097.79	0.0303622	0.000908
1098.27	0.0236758	0.001187
1098.75	0.0229191	0.001164
1099.23	0.0235671	0.001487
1099.72	0.028951	0.000933
1100.2	0.0275532	0.000806
1100.68	0.0340646	0.001433
1101.16	0.0456002	0.001529
1101.64	0.0645496	0.002187
1102.13	0.12234	0.00387
1102.61	0.284192	0.006544
1103.09	0.681844	0.014602
1103.57	0.478985	0.010662
1104.05	0.173435	0.005565
1104.54	0.0743838	0.002683
1105.02	0.0369763	0.001729
1105.5	0.0304524	0.001583
1105.98	0.0245615	0.000853
1106.46	0.0255791	0.001133
1106.95	0.0417813	0.001935
1107.43	0.0790238	0.002758
1107.91	0.094246	0.002477
1108.39	0.0291841	0.001315
1108.87	0.0240867	0.001532
1109.36	0.0302937	0.00152
1109.84	0.0683768	0.002005
1110.32	0.153403	0.004029
1110.8	0.132598	0.003732
1111.28	0.0359574	0.000839
1111.77	0.0370219	0.001059
1112.25	0.0674772	0.001753
1112.73	0.13449	0.003618
1113.21	0.0501926	0.001247
1113.7	0.046285	0.000753
1114.18	0.0848744	0.001994
1114.66	0.155736	0.004101
1115.14	0.0754849	0.002397
1115.62	0.150282	0.004012
1116.11	0.199061	0.005442
1116.59	0.163566	0.004501
1117.07	0.2227	0.005522
1117.55	0.276948	0.005918
1118.03	0.0355149	0.001319
1118.52	0.0260284	0.001475

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0277624	0.00119
1119.48	0.0307982	0.001028
1119.96	0.041997	0.00108
1120.44	0.062337	0.002352
1120.93	0.12836	0.003948
1121.41	0.305566	0.006499
1121.89	0.636267	0.010762
1122.37	0.281048	0.006278
1122.85	0.0737014	0.002721
1123.34	0.0358404	0.001544
1123.82	0.0242645	0.000943
1124.3	0.0192994	0.00102
1124.78	0.0220675	0.000871
1125.26	0.0354855	0.001484
1125.75	0.0648058	0.00155
1126.23	0.0333162	0.001469
1126.71	0.0164537	0.000825
1127.19	0.013322	0.000555
1127.67	0.0140518	0.000929
1128.16	0.0222336	0.000832
1128.64	0.0426364	0.001378
1129.12	0.0819437	0.002328
1129.6	0.0208289	0.001099
1130.09	0.0163673	0.00059
1130.57	0.022156	0.000461
1131.05	0.0487688	0.001361
1131.53	0.0998004	0.003024
1132.01	0.0697804	0.001886
1132.5	0.0236469	0.000779
1132.98	0.0287757	0.000918
1133.46	0.047555	0.001431
1133.94	0.0762215	0.001724
1134.42	0.0289997	0.001344
1134.91	0.0461484	0.001757
1135.39	0.0876299	0.002759
1135.87	0.043785	0.001159
1136.35	0.0833344	0.002288
1136.83	0.116355	0.003356
1137.32	0.0929722	0.00272
1137.8	0.0859284	0.002611
1138.28	0.046865	0.001303
1138.76	0.0502458	0.001521
1139.24	0.0895008	0.002242
1139.73	0.160934	0.003593
1140.21	0.367115	0.007979

Ammonia

5.005 Mole %

A06NH3

D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.330277	0.005621
1141.17	0.0600459	0.002548
1141.65	0.027387	0.000656
1142.14	0.0185067	0.000772
1142.62	0.0177806	0.000584
1143.1	0.0307545	0.001192
1143.58	0.0569865	0.002082
1144.06	0.0386489	0.000898
1144.55	0.0136238	0.000513
1145.03	0.0098342	0.000821
1145.51	0.010502	0.000326
1145.99	0.0129957	0.000547
1146.48	0.0150168	0.000758
1146.96	0.0247015	0.00088
1147.44	0.0434349	0.001185
1147.92	0.0110678	0.00049
1148.4	0.0083995	0.000272
1148.89	0.0088804	0.000705
1149.37	0.0123656	0.000705
1149.85	0.0240064	0.000845
1150.33	0.0445186	0.001494
1150.81	0.0108247	0.000745
1151.3	0.0105421	0.000549
1151.78	0.0201608	0.001009
1152.26	0.0384183	0.001282
1152.74	0.0768223	0.002088
1153.22	0.0147403	0.000623
1153.71	0.0176465	0.000713
1154.19	0.027503	0.00093
1154.67	0.0439796	0.001332
1155.15	0.0182504	0.000611
1155.63	0.0318654	0.00067
1156.12	0.0644456	0.002013
1156.6	0.0536851	0.001421
1157.08	0.0842078	0.002136
1157.56	0.0736657	0.002213
1158.04	0.182617	0.004787
1158.53	0.383451	0.008261
1159.01	0.314184	0.004742
1159.49	0.0449056	0.001814
1159.97	0.019732	0.000952
1160.45	0.0134219	0.000317
1160.94	0.0163703	0.000639
1161.42	0.025195	0.000695
1161.9	0.0084405	0.000747

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.005842	0.000469
1162.86	0.0057535	0.000575
1163.35	0.0060232	0.000262
1163.83	0.0074164	0.00069
1164.31	0.0108913	0.000449
1164.79	0.0199322	0.000771
1165.28	0.0379365	0.001348
1165.76	0.0126648	0.000478
1166.24	0.0080805	0.000485
1166.72	0.0074576	0.000334
1167.2	0.0070893	0.000484
1167.69	0.0090884	0.000727
1168.17	0.0146013	0.000689
1168.65	0.0249399	0.000604
1169.13	0.0079678	0.000695
1169.61	0.0061278	0.000569
1170.1	0.0066069	0.000894
1170.58	0.010043	0.001634
1171.06	0.0177885	0.000621
1171.54	0.0171783	0.00089
1172.02	0.0107265	0.000374
1172.51	0.0167968	0.000606
1172.99	0.0306477	0.00087
1173.47	0.0441498	0.001336
1173.95	0.0145249	0.000517
1174.43	0.0179848	0.00046
1174.92	0.0243349	0.000992
1175.4	0.0291411	0.000955
1175.88	0.0508735	0.001368
1176.36	0.133838	0.002978
1176.84	0.290925	0.007165
1177.33	0.105955	0.003472
1177.81	0.0299937	0.000982
1178.29	0.0317143	0.001062
1178.77	0.0197829	0.000907
1179.25	0.0082368	0.000338
1179.74	0.007212	0.00051
1180.22	0.0060485	0.000517
1180.7	0.0052621	0.000269
1181.18	0.0056517	0.000571
1181.67	0.0046329	0.000409
1182.15	0.0062767	0.00064
1182.63	0.0086435	0.000429
1183.11	0.0112353	0.000492
1183.59	0.0051328	0.000376

Ammonia

5.005 Mole %

A06NH3

D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0048576	0.000465
1184.56	0.0045706	0.000638
1185.04	0.0061778	0.000327
1185.52	0.0076126	0.000688
1186	0.0112216	0.00037
1186.49	0.0185937	0.00048
1186.97	0.0108427	0.000636
1187.45	0.0069201	0.000556
1187.93	0.0052643	0.000595
1188.41	0.0069011	0.000443
1188.9	0.009361	0.000409
1189.38	0.0126622	0.000472
1189.86	0.0100805	0.000508
1190.34	0.006246	0.000689
1190.82	0.0052501	0.000588
1191.31	0.0066833	0.000373
1191.79	0.0122509	0.000631
1192.27	0.0109717	0.000598
1192.75	0.0115652	0.000622
1193.23	0.0170132	0.000616
1193.72	0.0339068	0.000796
1194.2	0.0642895	0.001291
1194.68	0.144772	0.003449
1195.16	0.104888	0.003159
1195.64	0.0289084	0.000867
1196.13	0.010024	0.000615
1196.61	0.0121547	0.000524
1197.09	0.0091337	0.000546
1197.57	0.0156988	0.000752
1198.06	0.0148319	0.000589
1198.54	0.0147565	0.000527
1199.02	0.0027444	0.000596
1199.5	0.0045806	0.000381
1199.98	0.0062815	0.000334
1200.47	0.0076834	0.000394
1200.95	0.004137	0.000303
1201.43	0.0055256	0.00038
1201.91	0.0049925	0.000465
1202.39	0.003069	0.000392
1202.88	0.0041952	0.000608
1203.36	0.0049731	0.000322
1203.84	0.0047579	0.000637
1204.32	0.0068654	0.000226
1204.8	0.0035796	0.000387
1205.29	0.0047839	0.000606

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0058405	0.000612
1206.25	0.0045484	0.000397
1206.73	0.0058264	0.000736
1207.21	0.0077695	0.000404
1207.7	0.0099393	0.000291
1208.18	0.0053559	0.000437
1208.66	0.0046385	0.000389
1209.14	0.0047879	0.000427
1209.62	0.0068503	0.000523
1210.11	0.0081598	0.0005
1210.59	0.0064857	0.000439
1211.07	0.0078182	0.000489
1211.55	0.0174854	0.000606
1212.03	0.0381473	0.001357
1212.52	0.0737433	0.002035
1213	0.031639	0.000828
1213.48	0.0180003	0.000469
1213.96	0.0097328	0.000479
1214.45	0.0043184	0.000178
1214.93	0.0053258	0.000565
1215.41	0.0062352	0.000441
1215.89	0.0056835	0.000056
1216.37	0.0067356	0.000626
1216.86	0.0064985	0.000336
1217.34	0.0096772	0.000596
1217.82	0.0076465	0.000614
1218.3	0.0031068	0.000422
1218.78	0.0030811	0.000431
1219.27	0.0036925	0.000503
1219.75	0.0039587	0.000309
1220.23	0.0033336	0.000309
1220.71	0.0042708	0.000537
1221.19	0.0054501	0.000643
1221.68	0.0063531	0.000645
1222.16	0.0039289	0.000287
1222.64	0.0047914	0.000402
1223.12	0.0037609	0.000353
1223.6	0.0037649	0.000379
1224.09	0.0038072	0.000244
1224.57	0.0044028	0.000626
1225.05	0.0045983	0.000518
1225.53	0.003359	0.000581
1226.01	0.0038746	0.000621
1226.5	0.0039338	0.000379
1226.98	0.0043132	0.000385

Ammonia

5.005 Mole %

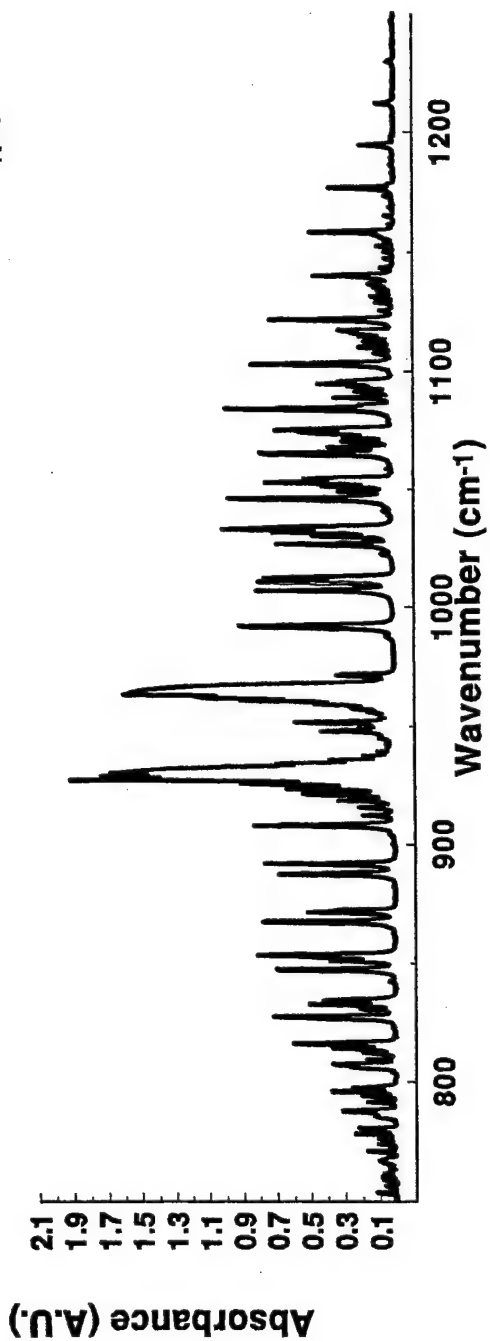
A06NH3
D06NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0056595	0.000399
1227.94	0.0068349	0.00021
1228.42	0.0058603	0.000544
1228.91	0.0086738	0.000458
1229.39	0.0147655	0.000566
1229.87	0.0279887	0.001013
1230.35	0.026042	0.000863
1230.83	0.007713	0.000446
1231.32	0.005246	0.000364
1231.8	0.0033212	0.000391
1232.28	0.0042774	0.000503
1232.76	0.0042253	0.000354
1233.25	0.0041472	0.000642
1233.73	0.0048363	0.000492
1234.21	0.0048928	0.000654
1234.69	0.0035727	0.00027
1235.17	0.0042747	0.000441
1235.66	0.0049095	0.000539
1236.14	0.0045221	0.000333
1236.62	0.0049262	0.000642
1237.1	0.0045367	0.000402
1237.58	0.0039394	0.000516
1238.07	0.0028621	0.00029
1238.55	0.0038158	0.000214
1239.03	0.0042816	0.000373
1239.51	0.003776	0.000288
1239.99	0.0033171	0.000481
1240.48	0.004762	0.000587
1240.96	0.0041016	0.000355
1241.44	0.0038609	0.000527
1241.92	0.0043004	0.000451
1242.4	0.0036107	0.000286
1242.89	0.0037098	0.000544
1243.37	0.0039637	0.00025
1243.85	0.0045669	0.000343
1244.33	0.0037027	0.000536
1244.81	0.0042308	0.000651
1245.3	0.0039064	0.00074
1245.78	0.0034537	0.00032
1246.26	0.0038597	0.00035
1246.74	0.0070738	0.000344
1247.22	0.0122774	0.000212
1247.71	0.0101349	0.000752
1248.19	0.0055235	0.00087
1248.67	0.0051502	0.000284

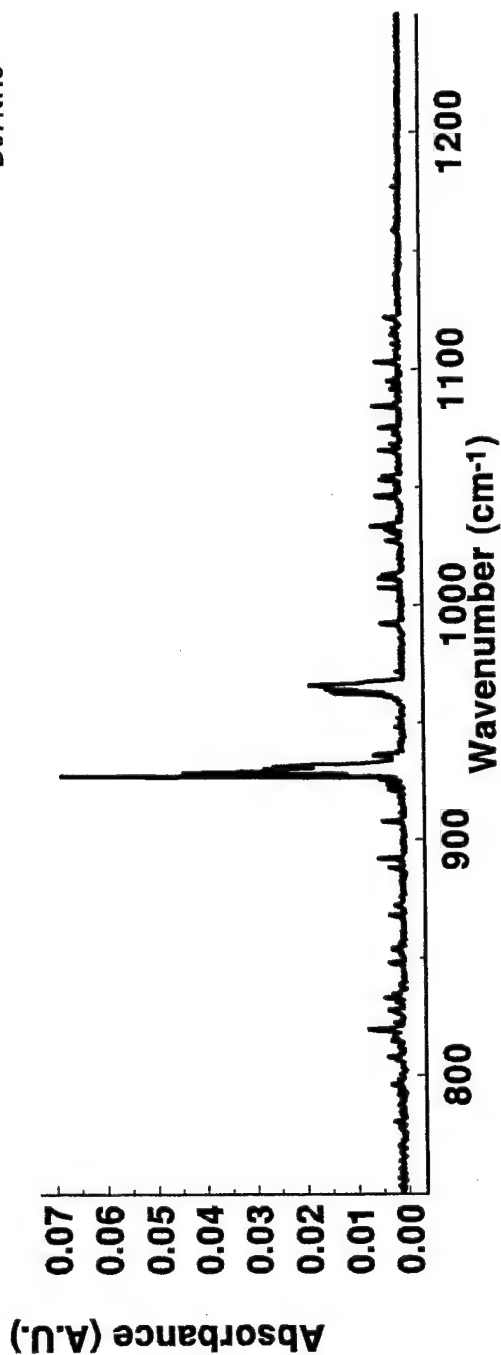
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0038018	0.00034
1249.63	0.0037114	0.000553
1250.12	0.0039659	0.000502

6.416 Mole %

A07NH3
N=10



D07NH3



Ammonia

6.416 Mole %

A07NH3
D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.010621	0.001333
750.677	0.0091686	0.001215
751.159	0.0121436	0.001298
751.641	0.0221958	0.00105
752.123	0.0078779	0.001131
752.605	0.0146949	0.000922
753.087	0.0512934	0.001744
753.57	0.116331	0.001373
754.052	0.0138384	0.001195
754.534	0.0114508	0.001246
755.016	0.0191668	0.000817
755.498	0.0509306	0.000677
755.98	0.0232817	0.001083
756.462	0.0674427	0.001926
756.944	0.0080487	0.000887
757.426	0.0077311	0.001232
757.909	0.0144089	0.001047
758.391	0.0506865	0.000794
758.873	0.0800973	0.001491
759.355	0.0183351	0.001445
759.837	0.0292798	0.001028
760.319	0.0885366	0.00178
760.801	0.0838936	0.001056
761.283	0.0326983	0.001328
761.766	0.0751817	0.001096
762.248	0.0359663	0.001041
762.73	0.0496465	0.001273
763.212	0.0166253	0.001221
763.694	0.0318458	0.001621
764.176	0.0462435	0.001401
764.658	0.0488061	0.001116
765.14	0.0320669	0.001157
765.622	0.0555107	0.000727
766.105	0.090097	0.001103
766.587	0.0717541	0.00138
767.069	0.106873	0.001332
767.551	0.085556	0.00145
768.033	0.0698951	0.001387
768.515	0.0156596	0.001407
768.997	0.0128094	0.000673
769.479	0.0178911	0.001507
769.961	0.0330141	0.001715
770.444	0.0842464	0.001704
770.926	0.169489	0.001494
771.408	0.0218671	0.001055

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0185522	0.00101
772.372	0.029465	0.001217
772.854	0.0162965	0.000539
773.336	0.0407461	0.000723
773.818	0.110689	0.000922
774.301	0.0330337	0.000697
774.783	0.0332788	0.000869
775.265	0.0306457	0.000583
775.747	0.0403041	0.000554
776.229	0.112082	0.001062
776.711	0.0411523	0.00115
777.193	0.0352367	0.001203
777.675	0.0761253	0.001681
778.157	0.239309	0.001652
778.64	0.0473716	0.000769
779.122	0.0841681	0.000741
779.604	0.182973	0.001731
780.086	0.197183	0.001909
780.568	0.219485	0.002574
781.05	0.0227896	0.001029
781.532	0.0176888	0.000877
782.014	0.0120052	0.000645
782.497	0.0166729	0.00088
782.979	0.0179058	0.001311
783.461	0.0171261	0.000726
783.943	0.0208754	0.00098
784.425	0.0456132	0.001496
784.907	0.0979245	0.000942
785.389	0.128521	0.000937
785.871	0.118811	0.001405
786.353	0.122419	0.000932
786.836	0.140063	0.001173
787.318	0.229261	0.001758
787.8	0.315059	0.001675
788.282	0.22735	0.001119
788.764	0.0646194	0.001258
789.246	0.0225381	0.001023
789.728	0.0203131	0.001197
790.21	0.022762	0.001327
790.692	0.0277604	0.000768
791.175	0.0706792	0.000626
791.657	0.173375	0.001892
792.139	0.0234857	0.000814
792.621	0.0207194	0.000522
793.103	0.0246111	0.000816

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.067203	0.001812
794.067	0.204474	0.001365
794.549	0.049554	0.001104
795.032	0.0494916	0.00148
795.514	0.137483	0.00138
795.996	0.376892	0.003084
796.478	0.0788294	0.001812
796.96	0.1192	0.001299
797.442	0.255399	0.001427
797.924	0.166897	0.001848
798.406	0.0867692	0.001014
798.888	0.0302188	0.00086
799.371	0.0188902	0.000883
799.853	0.0146066	0.001045
800.335	0.0162097	0.001438
800.817	0.017194	0.001148
801.299	0.0115413	0.000595
801.781	0.0105269	0.000883
802.263	0.0100993	0.000463
802.745	0.0088524	0.000875
803.227	0.0096848	0.001047
803.71	0.0164266	0.000995
804.192	0.0325109	0.001094
804.674	0.0266228	0.00099
805.156	0.0600749	0.000901
805.638	0.16073	0.001294
806.12	0.272178	0.002273
806.602	0.238929	0.001688
807.084	0.325982	0.00211
807.567	0.367768	0.003657
808.049	0.0769855	0.001583
808.531	0.0418945	0.001696
809.013	0.0657544	0.00107
809.495	0.177533	0.001113
809.977	0.0628353	0.000814
810.459	0.0318341	0.001326
810.941	0.0316618	0.000895
811.423	0.053557	0.0014
811.906	0.161406	0.001731
812.388	0.204054	0.00137
812.87	0.0667098	0.00105
813.352	0.0995949	0.001602
813.834	0.288292	0.001085
814.316	0.371809	0.003085
814.798	0.136554	0.001775

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.292506	0.002101
815.762	0.316313	0.002837
816.245	0.603874	0.002805
816.727	0.35477	0.002521
817.209	0.0653767	0.002255
817.691	0.0352335	0.001701
818.173	0.0266052	0.002682
818.655	0.0260566	0.005519
819.137	0.0119276	0.007598
819.619	0.019136	0.003532
820.102	0.012962	0.00259
820.584	0.0185728	0.00128
821.066	0.0122714	0.001635
821.548	0.0148131	0.000992
822.03	0.0179687	0.002435
822.512	0.0276552	0.000971
822.994	0.0176951	0.001184
823.476	0.018248	0.00128
823.959	0.0253647	0.000846
824.441	0.0301182	0.000828
824.923	0.0329991	0.000985
825.405	0.0608778	0.001329
825.887	0.132111	0.001688
826.369	0.392688	0.002547
826.851	0.467513	0.002199
827.333	0.717295	0.003625
827.816	0.459525	0.00252
828.298	0.0793185	0.000892
828.78	0.0523071	0.001228
829.262	0.0517904	0.000944
829.744	0.0585715	0.001038
830.226	0.150548	0.001566
830.708	0.21563	0.002235
831.19	0.071003	0.001281
831.672	0.105357	0.000946
832.155	0.292424	0.002217
832.637	0.508152	0.004364
833.119	0.157553	0.001849
833.601	0.277003	0.001639
834.083	0.424136	0.002862
834.565	0.372717	0.001414
835.047	0.151972	0.001462
835.529	0.0515899	0.001042
836.011	0.0349653	0.00055
836.494	0.0220669	0.000379

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0181547	0.001145
837.458	0.0161408	0.001204
837.94	0.0155864	0.001096
838.422	0.0135523	0.001324
838.904	0.0109794	0.001052
839.386	0.0099154	0.000511
839.868	0.0114246	0.000776
840.351	0.0109956	0.000619
840.833	0.0127641	0.000759
841.315	0.0141087	0.000561
841.797	0.0258817	0.00089
842.279	0.0434516	0.00074
842.761	0.0299852	0.000631
843.243	0.0180495	0.000733
843.725	0.0281347	0.000779
844.207	0.0223704	0.000864
844.69	0.0254897	0.000845
845.172	0.0366819	0.000943
845.654	0.0609192	0.001024
846.136	0.100584	0.000862
846.618	0.235828	0.000817
847.1	0.690285	0.002935
847.582	0.703608	0.00336
848.064	0.199224	0.001718
848.546	0.0694129	0.000633
849.029	0.0557531	0.000765
849.511	0.0531917	0.000776
849.993	0.0747743	0.000788
850.475	0.135471	0.000874
850.957	0.385841	0.001165
851.439	0.377553	0.001419
851.921	0.200207	0.001124
852.403	0.4494	0.001587
852.886	0.503547	0.001581
853.368	0.812988	0.002768
853.85	0.551545	0.00272
854.332	0.139219	0.000867
854.814	0.0596302	0.00054
855.296	0.0358514	0.000798
855.778	0.0255116	0.001449
856.26	0.0209413	0.000887
856.742	0.0166846	0.00104
857.225	0.0157837	0.000639
857.707	0.0138851	0.000498
858.189	0.0166314	0.000845

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0113074	0.000899
859.153	0.0117569	0.000724
859.635	0.0115316	0.000817
860.117	0.0114365	0.000964
860.599	0.0122774	0.000565
861.081	0.0122572	0.000978
861.564	0.0150453	0.00078
862.046	0.0177824	0.000752
862.528	0.022314	0.000754
863.01	0.0250154	0.00065
863.492	0.0166096	0.000781
863.974	0.0213437	0.000584
864.456	0.0236341	0.000653
864.938	0.0358394	0.00089
865.421	0.0589234	0.000702
865.903	0.0680022	0.001076
866.385	0.121416	0.001232
866.867	0.269668	0.000795
867.349	0.780525	0.002238
867.831	0.767492	0.003397
868.313	0.273569	0.000822
868.795	0.105697	0.000565
869.277	0.0547493	0.001006
869.76	0.0479082	0.000718
870.242	0.0539971	0.000729
870.724	0.0850366	0.000868
871.206	0.21391	0.001377
871.688	0.515168	0.002164
872.17	0.35364	0.002066
872.652	0.330795	0.001176
873.134	0.0611813	0.001088
873.617	0.0292395	0.000911
874.099	0.0193935	0.000834
874.581	0.0141995	0.000908
875.063	0.0115612	0.000934
875.545	0.0124113	0.001039
876.027	0.011155	0.00103
876.509	0.0108924	0.00067
876.991	0.0094384	0.000487
877.474	0.0118883	0.000607
877.956	0.0123552	0.000684
878.438	0.0111288	0.000888
878.92	0.0082165	0.00084
879.402	0.0089505	0.000768
879.884	0.0080213	0.000752

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0094869	0.000909
880.848	0.0099353	0.000679
881.33	0.0101891	0.000911
881.813	0.0111436	0.000967
882.295	0.0139047	0.001152
882.777	0.0181866	0.000695
883.259	0.0138273	0.000561
883.741	0.0164926	0.000939
884.223	0.0170777	0.000382
884.705	0.0207566	0.000943
885.187	0.0263325	0.000647
885.669	0.0382945	0.000255
886.152	0.0595525	0.00108
886.634	0.111033	0.000659
887.116	0.270638	0.001312
887.598	0.684883	0.002507
888.08	0.518723	0.003303
888.562	0.129639	0.000741
889.044	0.0686574	0.00064
889.526	0.051671	0.00102
890.009	0.0573187	0.001216
890.491	0.0811357	0.000801
890.973	0.153362	0.001522
891.455	0.420884	0.001052
891.937	0.767247	0.005431
892.419	0.274268	0.000969
892.901	0.0787026	0.000989
893.383	0.0384246	0.000804
893.865	0.0242956	0.000725
894.348	0.0173036	0.000729
894.83	0.0152092	0.000473
895.312	0.0154913	0.000716
895.794	0.0145894	0.000514
896.276	0.0105431	0.000459
896.758	0.0113463	0.000629
897.24	0.0102514	0.000635
897.722	0.0100459	0.000472
898.204	0.0127647	0.000735
898.687	0.0131643	0.000447
899.169	0.0122443	0.000904
899.651	0.0134865	0.000628
900.133	0.0241275	0.000618
900.615	0.0210099	0.000526
901.097	0.0132675	0.000697
901.579	0.0132162	0.000422

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0152059	0.000683
902.544	0.0194233	0.000512
903.026	0.0282101	0.000597
903.508	0.0197066	0.000408
903.99	0.0278519	0.000584
904.472	0.0409386	0.000891
904.954	0.0413153	0.000599
905.436	0.0417883	0.000592
905.918	0.053974	0.000751
906.4	0.0780506	0.000761
906.883	0.136367	0.001081
907.365	0.313263	0.000849
907.847	0.832354	0.004521
908.329	0.528391	0.001947
908.811	0.175629	0.001061
909.293	0.0729492	0.000802
909.775	0.0480347	0.000505
910.257	0.0348381	0.000861
910.739	0.0345564	0.000457
911.222	0.0442287	0.000507
911.704	0.0827842	0.001044
912.186	0.190543	0.000512
912.668	0.0608795	0.000603
913.15	0.045607	0.00073
913.632	0.0329282	0.000516
914.114	0.0341211	0.000522
914.596	0.0483663	0.000843
915.079	0.0976805	0.000636
915.561	0.211938	0.001159
916.043	0.0785181	0.000796
916.525	0.0756578	0.001029
917.007	0.0528579	0.000681
917.489	0.0709022	0.000814
917.971	0.138438	0.001225
918.453	0.33411	0.001301
918.935	0.137232	0.000555
919.418	0.103497	0.000569
919.9	0.107566	0.00085
920.382	0.199303	0.001227
920.864	0.505731	0.0027
921.346	0.544043	0.003334
921.828	0.236313	0.000523
922.31	0.152714	0.000755
922.792	0.256662	0.00092
923.275	0.638673	0.003626

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.616118	0.002753
924.239	0.331789	0.001529
924.721	0.333468	0.001193
925.203	0.677963	0.003283
925.685	0.912484	0.00517
926.167	0.572622	0.002006
926.649	0.809762	0.00451
927.132	1.91357	0.068631
927.614	1.47687	0.019104
928.096	1.39708	0.011964
928.578	1.7332	0.04448
929.06	1.60249	0.030388
929.542	1.46641	0.023692
930.024	1.68424	0.028073
930.506	1.62548	0.018505
930.988	1.564	0.026324
931.471	1.46468	0.022256
931.953	1.34171	0.021549
932.435	1.13947	0.008717
932.917	0.962696	0.005663
933.399	0.599806	0.003828
933.881	0.698633	0.002948
934.363	0.563277	0.003675
934.845	0.297089	0.002869
935.328	0.34608	0.003241
935.81	0.379484	0.006237
936.292	0.136571	0.005344
936.774	0.146506	0.001645
937.256	0.185777	0.001857
937.738	0.113795	0.00077
938.22	0.0703416	0.00088
938.702	0.0919641	0.000979
939.184	0.105747	0.001135
939.667	0.0533129	0.001034
940.149	0.0542728	0.000949
940.631	0.0563223	0.000779
941.113	0.0471177	0.001206
941.595	0.0439518	0.000812
942.077	0.0411902	0.000659
942.559	0.056495	0.000857
943.041	0.044455	0.000619
943.523	0.0400594	0.000466
944.006	0.0498296	0.000327
944.488	0.055792	0.000631
944.97	0.0933385	0.000932

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.085893	0.000512
945.934	0.0845868	0.000889
946.416	0.0953925	0.000582
946.898	0.101093	0.000614
947.38	0.175788	0.00084
947.863	0.431872	0.001797
948.345	0.372332	0.000978
948.827	0.150169	0.000708
949.309	0.212108	0.000961
949.791	0.13095	0.000658
950.273	0.143662	0.000899
950.755	0.158977	0.000731
951.237	0.359433	0.001107
951.719	0.583829	0.001431
952.202	0.163705	0.000755
952.684	0.0858743	0.000693
953.166	0.0814119	0.000483
953.648	0.0670318	0.000702
954.13	0.0881293	0.000624
954.612	0.0837738	0.000606
955.094	0.0808518	0.000833
955.576	0.107423	0.000561
956.058	0.164827	0.000742
956.541	0.126284	0.000516
957.023	0.146088	0.000639
957.505	0.25518	0.001091
957.987	0.264948	0.001358
958.469	0.203989	0.001287
958.951	0.307337	0.001157
959.433	0.469634	0.002068
959.915	0.397142	0.001475
960.398	0.486728	0.001832
960.88	0.908043	0.004145
961.362	0.657579	0.002779
961.844	1.04155	0.006198
962.326	1.16516	0.014021
962.808	1.05825	0.004448
963.29	1.59957	0.014786
963.772	1.46437	0.0096
964.254	1.568	0.015815
964.737	1.54174	0.015924
965.219	1.50543	0.015474
965.701	1.43873	0.018842
966.183	1.33412	0.014011
966.665	1.22354	0.00829

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	1.09911	0.007749
967.629	0.883921	0.004783
968.111	0.512587	0.002457
968.594	0.218985	0.000649
969.076	0.130192	0.000736
969.558	0.0956352	0.000593
970.04	0.0811296	0.000527
970.522	0.0872329	0.000761
971.004	0.149559	0.000561
971.486	0.33916	0.001587
971.968	0.294246	0.000583
972.45	0.0589046	0.000756
972.933	0.0328437	0.000591
973.415	0.0218276	0.000773
973.897	0.0184454	0.000887
974.379	0.0160159	0.000687
974.861	0.0126875	0.000785
975.343	0.0130772	0.000566
975.825	0.0127221	0.000476
976.307	0.0101457	0.000531
976.79	0.0097676	0.000846
977.272	0.0105053	0.000612
977.754	0.009608	0.000515
978.236	0.0098757	0.000788
978.718	0.0100678	0.000665
979.2	0.0110383	0.000733
979.682	0.0110003	0.00046
980.164	0.0104991	0.00073
980.646	0.0101798	0.000482
981.129	0.0099126	0.000478
981.611	0.0109899	0.000703
982.093	0.0111187	0.000442
982.575	0.0105505	0.000523
983.057	0.0121185	0.000421
983.539	0.0114361	0.000328
984.021	0.0130903	0.000616
984.503	0.0139058	0.000527
984.986	0.0148205	0.00058
985.468	0.0167795	0.000591
985.95	0.0210217	0.000849
986.432	0.0229585	0.000543
986.914	0.0301327	0.000427
987.396	0.051095	0.000359
987.878	0.0554386	0.000366
988.36	0.0475754	0.000645

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0406491	0.000928
989.325	0.0486327	0.000779
989.807	0.0639185	0.001058
990.289	0.0977808	0.001049
990.771	0.19012	0.00133
991.253	0.471754	0.001294
991.735	0.847341	0.004269
992.217	0.914575	0.00467
992.699	0.619455	0.001849
993.181	0.203905	0.001089
993.664	0.0818134	0.000551
994.146	0.0458276	0.000981
994.628	0.0317967	0.000369
995.11	0.0264697	0.000661
995.592	0.0232627	0.000693
996.074	0.0206154	0.000631
996.556	0.0178825	0.00084
997.038	0.0188154	0.000557
997.521	0.0172042	0.000464
998.003	0.0179917	0.000816
998.485	0.0185716	0.000768
998.967	0.0191237	0.000783
999.449	0.0181182	0.00036
999.931	0.0201775	0.000582
1000.41	0.0201729	0.000379
1000.89	0.0205299	0.000609
1001.37	0.0247713	0.001082
1001.86	0.0296604	0.000522
1002.34	0.0297342	0.000376
1002.82	0.0271613	0.00066
1003.3	0.0289801	0.001005
1003.78	0.0339398	0.000774
1004.27	0.0397613	0.000649
1004.75	0.0526689	0.000841
1005.23	0.071246	0.000744
1005.71	0.103447	0.000808
1006.19	0.163046	0.00074
1006.68	0.329952	0.001639
1007.16	0.808913	0.00476
1007.64	0.52405	0.001114
1008.12	0.156402	0.00077
1008.6	0.0905	0.000849
1009.09	0.0809871	0.000867
1009.57	0.0936406	0.000748
1010.05	0.155932	0.00135

Ammonia

6.416 Mole %

A07NH3
D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.354662	0.000969
1011.02	0.799786	0.004796
1011.5	0.394689	0.001929
1011.98	0.500704	0.001815
1012.46	0.769037	0.004044
1012.94	0.559234	0.002749
1013.43	0.204673	0.001145
1013.91	0.0603791	0.000854
1014.39	0.0331051	0.000516
1014.87	0.0235264	0.000708
1015.35	0.0192125	0.000571
1015.84	0.0162079	0.00034
1016.32	0.0166142	0.000427
1016.8	0.0162616	0.000751
1017.28	0.017335	0.000696
1017.77	0.0176921	0.000764
1018.25	0.0155611	0.000485
1018.73	0.0180957	0.00047
1019.21	0.0179841	0.000275
1019.69	0.0200282	0.00091
1020.18	0.0224919	0.000644
1020.66	0.0239882	0.00092
1021.14	0.0270371	0.000613
1021.62	0.0356737	0.000521
1022.1	0.0436331	0.000889
1022.59	0.0792709	0.000493
1023.07	0.052699	0.000707
1023.55	0.0367704	0.000716
1024.03	0.0480623	0.00045
1024.52	0.067067	0.000389
1025	0.066887	0.000546
1025.48	0.098834	0.000584
1025.96	0.189568	0.001057
1026.44	0.447599	0.001759
1026.93	0.689829	0.003269
1027.41	0.212807	0.001277
1027.89	0.0951999	0.001004
1028.37	0.0708209	0.000747
1028.85	0.0779099	0.000643
1029.34	0.121558	0.000976
1029.82	0.254308	0.00129
1030.3	0.479004	0.002422
1030.78	0.193143	0.000666
1031.26	0.298876	0.001476
1031.75	0.71494	0.00341

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.665231	0.003206
1032.71	0.471088	0.001812
1033.19	1.01256	0.006349
1033.67	0.805395	0.003251
1034.16	0.647831	0.002935
1034.64	0.23072	0.001157
1035.12	0.0889974	0.00056
1035.6	0.0530302	0.000578
1036.08	0.0371061	0.000979
1036.57	0.0303375	0.000593
1037.05	0.0267759	0.001
1037.53	0.0244983	0.000664
1038.01	0.0231359	0.000376
1038.49	0.0249002	0.000536
1038.98	0.0307099	0.000455
1039.46	0.0428605	0.000637
1039.94	0.0335339	0.000684
1040.42	0.0438714	0.000408
1040.9	0.0660394	0.000515
1041.39	0.0333214	0.000833
1041.87	0.0371679	0.000593
1042.35	0.0470074	0.000507
1042.83	0.0648404	0.000706
1043.32	0.0687071	0.001053
1043.8	0.0766812	0.00102
1044.28	0.108076	0.001022
1044.76	0.176472	0.001304
1045.24	0.337448	0.001396
1045.73	0.75423	0.005088
1046.21	0.977746	0.005365
1046.69	0.511165	0.002126
1047.17	0.195621	0.001259
1047.65	0.112291	0.00101
1048.14	0.103834	0.001322
1048.62	0.170033	0.00073
1049.1	0.328985	0.001322
1049.58	0.137631	0.000853
1050.06	0.0915027	0.000791
1050.55	0.143244	0.001072
1051.03	0.302252	0.001552
1051.51	0.42636	0.0014
1051.99	0.195812	0.00095
1052.47	0.361571	0.001032
1052.96	0.755994	0.004462
1053.44	0.392127	0.00173

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.526257	0.002645
1054.4	0.528131	0.00382
1054.88	0.42524	0.001878
1055.37	0.0951468	0.000576
1055.85	0.0413549	0.000899
1056.33	0.0335041	0.000444
1056.81	0.0317318	0.000831
1057.29	0.0204682	0.000904
1057.78	0.0229837	0.001078
1058.26	0.0296499	0.00063
1058.74	0.0466148	0.001003
1059.22	0.0249047	0.000691
1059.71	0.0307001	0.000589
1060.19	0.0356582	0.000845
1060.67	0.0265871	0.000964
1061.15	0.0307534	0.000794
1061.63	0.0416538	0.000686
1062.12	0.0399254	0.000643
1062.6	0.0499751	0.000986
1063.08	0.0671081	0.000807
1063.56	0.0974988	0.000604
1064.04	0.155826	0.001333
1064.53	0.311489	0.001691
1065.01	0.726795	0.002462
1065.49	0.78839	0.004435
1065.97	0.335791	0.000841
1066.45	0.144511	0.000604
1066.94	0.138916	0.001172
1067.42	0.241104	0.001096
1067.9	0.381846	0.002253
1068.38	0.0893401	0.000902
1068.86	0.0594888	0.000587
1069.35	0.0744694	0.000703
1069.83	0.149945	0.000501
1070.31	0.307629	0.000752
1070.79	0.158473	0.000665
1071.27	0.0906488	0.00075
1071.76	0.155546	0.001079
1072.24	0.297387	0.001738
1072.72	0.293947	0.001333
1073.2	0.199781	0.000842
1073.68	0.416181	0.00154
1074.17	0.558318	0.001942
1074.65	0.328963	0.001153
1075.13	0.700414	0.004477

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.578548	0.002275
1076.09	0.33889	0.000693
1076.58	0.0790687	0.000847
1077.06	0.0407007	0.000694
1077.54	0.0293601	0.00081
1078.02	0.0282174	0.000781
1078.51	0.0326359	0.000995
1078.99	0.0437698	0.000382
1079.47	0.0335851	0.000534
1079.95	0.0327313	0.000804
1080.43	0.0374211	0.000532
1080.92	0.0417786	0.000658
1081.4	0.0468939	0.000578
1081.88	0.0613407	0.000805
1082.36	0.0842122	0.000768
1082.84	0.13255	0.000598
1083.33	0.246522	0.000828
1083.81	0.532594	0.002607
1084.29	0.994183	0.005784
1084.77	0.582896	0.002726
1085.25	0.247982	0.001121
1085.74	0.185893	0.001283
1086.22	0.205193	0.000675
1086.7	0.0633634	0.000552
1087.18	0.0450152	0.000806
1087.66	0.0488461	0.000608
1088.15	0.0767564	0.000542
1088.63	0.171642	0.001152
1089.11	0.345618	0.001072
1089.59	0.134951	0.000784
1090.07	0.0511917	0.000954
1090.56	0.0584215	0.000494
1091.04	0.112349	0.000656
1091.52	0.22863	0.002181
1092	0.113504	0.000697
1092.48	0.0703262	0.000795
1092.97	0.125714	0.000615
1093.45	0.268964	0.001852
1093.93	0.148792	0.001111
1094.41	0.194725	0.00075
1094.9	0.444012	0.002798
1095.38	0.232953	0.001017
1095.86	0.329654	0.001469
1096.34	0.239111	0.000812
1096.82	0.129642	0.000853

Ammonia

6.416 Mole %

A07NH3
D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0393009	0.000502
1097.79	0.0337944	0.000937
1098.27	0.0272888	0.000374
1098.75	0.024801	0.000476
1099.23	0.0282863	0.000879
1099.72	0.0355901	0.000786
1100.2	0.0338275	0.000862
1100.68	0.0400831	0.000856
1101.16	0.0592452	0.000742
1101.64	0.0854635	0.000727
1102.13	0.160377	0.001771
1102.61	0.363695	0.001517
1103.09	0.838959	0.005232
1103.57	0.560612	0.001658
1104.05	0.228328	0.001415
1104.54	0.094451	0.000647
1105.02	0.0474511	0.001117
1105.5	0.038264	0.000567
1105.98	0.0288861	0.001087
1106.46	0.0321568	0.001139
1106.95	0.0522199	0.001074
1107.43	0.102147	0.001037
1107.91	0.1134	0.00127
1108.39	0.0346684	0.001102
1108.87	0.0300101	0.000707
1109.36	0.0415904	0.000816
1109.84	0.0891042	0.000602
1110.32	0.202946	0.001156
1110.8	0.160443	0.001717
1111.28	0.0425141	0.000965
1111.77	0.0451361	0.000691
1112.25	0.0841587	0.000944
1112.73	0.17668	0.000898
1113.21	0.0587892	0.000979
1113.7	0.0564167	0.001004
1114.18	0.104247	0.001223
1114.66	0.200437	0.001966
1115.14	0.097146	0.001
1115.62	0.205146	0.001627
1116.11	0.249103	0.001127
1116.59	0.218358	0.001252
1117.07	0.283334	0.001377
1117.55	0.322725	0.001764
1118.03	0.0452879	0.000759
1118.52	0.0344367	0.000755

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0318083	0.000537
1119.48	0.0387127	0.000789
1119.96	0.0505711	0.001038
1120.44	0.0801393	0.001181
1120.93	0.16929	0.001269
1121.41	0.392781	0.002297
1121.89	0.727005	0.003166
1122.37	0.341076	0.001738
1122.85	0.0981554	0.000816
1123.34	0.0459722	0.000685
1123.82	0.0295693	0.000361
1124.3	0.0216031	0.000707
1124.78	0.0252506	0.000669
1125.26	0.0455209	0.000589
1125.75	0.0830863	0.00068
1126.23	0.040094	0.000622
1126.71	0.0163544	0.000623
1127.19	0.0147705	0.00057
1127.67	0.0139846	0.000822
1128.16	0.0255288	0.00059
1128.64	0.0536022	0.000785
1129.12	0.106442	0.000885
1129.6	0.021647	0.000756
1130.09	0.0179604	0.000503
1130.57	0.0260195	0.000636
1131.05	0.0615576	0.00064
1131.53	0.131196	0.000698
1132.01	0.0826956	0.000605
1132.5	0.0274785	0.000734
1132.98	0.0338708	0.000792
1133.46	0.0609002	0.000798
1133.94	0.0931388	0.000985
1134.42	0.033283	0.000555
1134.91	0.0588303	0.000858
1135.39	0.117649	0.000977
1135.87	0.0564791	0.000639
1136.35	0.112691	0.000894
1136.83	0.14751	0.000724
1137.32	0.1236	0.000755
1137.8	0.110195	0.000819
1138.28	0.0538178	0.000728
1138.76	0.0641944	0.000796
1139.24	0.121861	0.000716
1139.73	0.201642	0.000861
1140.21	0.464813	0.001192

Ammonia

6.416 Mole %

A07NH3
D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.367245	0.000832
1141.17	0.0759005	0.000707
1141.65	0.0349148	0.00067
1142.14	0.0225266	0.000621
1142.62	0.0229318	0.000493
1143.1	0.0405266	0.0004
1143.58	0.0768815	0.000749
1144.06	0.0446162	0.000666
1144.55	0.0127566	0.000226
1145.03	0.0105722	0.000782
1145.51	0.0089305	0.000501
1145.99	0.0111056	0.000659
1146.48	0.0142348	0.000709
1146.96	0.0300073	0.000666
1147.44	0.0538844	0.000428
1147.92	0.0098381	0.000601
1148.4	0.0085197	0.000706
1148.89	0.0095907	0.000486
1149.37	0.013315	0.000483
1149.85	0.0289739	0.000427
1150.33	0.0546393	0.00063
1150.81	0.0093982	0.000401
1151.3	0.0094091	0.000596
1151.78	0.0218544	0.000293
1152.26	0.049379	0.000312
1152.74	0.0972087	0.000493
1153.22	0.0149072	0.000594
1153.71	0.0191163	0.000574
1154.19	0.0302993	0.000487
1154.67	0.0551606	0.000565
1155.15	0.0201178	0.000574
1155.63	0.0392677	0.000438
1156.12	0.0820696	0.000629
1156.6	0.0675965	0.000645
1157.08	0.112898	0.000539
1157.56	0.0959706	0.000912
1158.04	0.233002	0.000998
1158.53	0.485832	0.001288
1159.01	0.34572	0.001354
1159.49	0.0541634	0.000535
1159.97	0.021703	0.000748
1160.45	0.0164412	0.000658
1160.94	0.0201919	0.000568
1161.42	0.0286433	0.000871
1161.9	0.0070953	0.000725

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0045108	0.000689
1162.86	0.0042049	0.000421
1163.35	0.0039416	0.000477
1163.83	0.0059647	0.000431
1164.31	0.0112669	0.000927
1164.79	0.0234124	0.000553
1165.28	0.0476154	0.00068
1165.76	0.0100754	0.000449
1166.24	0.0060761	0.000646
1166.72	0.0063205	0.000586
1167.2	0.0055301	0.000352
1167.69	0.0078283	0.000691
1168.17	0.0151336	0.000394
1168.65	0.0291094	0.000461
1169.13	0.0059853	0.000491
1169.61	0.0045739	0.000557
1170.1	0.006984	0.00064
1170.58	0.0101489	0.000754
1171.06	0.0197459	0.000669
1171.54	0.0185995	0.000689
1172.02	0.0097163	0.000474
1172.51	0.018119	0.000538
1172.99	0.0382804	0.000883
1173.47	0.0549394	0.000637
1173.95	0.012325	0.000482
1174.43	0.0175122	0.000561
1174.92	0.0271371	0.000636
1175.4	0.0355906	0.000491
1175.88	0.0652899	0.000506
1176.36	0.170455	0.000545
1176.84	0.371818	0.001451
1177.33	0.13229	0.000722
1177.81	0.0355867	0.00038
1178.29	0.039031	0.000551
1178.77	0.0218524	0.000625
1179.25	0.0071132	0.000373
1179.74	0.0051247	0.00049
1180.22	0.0041526	0.00084
1180.7	0.0031167	0.000472
1181.18	0.0032104	0.000372
1181.67	0.0026266	0.000808
1182.15	0.0047024	0.000416
1182.63	0.0070014	0.000269
1183.11	0.0116348	0.00051
1183.59	0.0012089	0.000493

Ammonia

6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0025362	0.000497
1184.56	0.0030853	0.00037
1185.04	0.0031334	0.000394
1185.52	0.0048003	0.000418
1186	0.0104767	0.000454
1186.49	0.0208394	0.000585
1186.97	0.0092912	0.000401
1187.45	0.0035866	0.000417
1187.93	0.0035277	0.000483
1188.41	0.0043234	0.000424
1188.9	0.0078043	0.00027
1189.38	0.0128306	0.000469
1189.86	0.0103759	0.000489
1190.34	0.0037329	0.00023
1190.82	0.0052153	0.000457
1191.31	0.00668	0.000483
1191.79	0.0127732	0.000553
1192.27	0.009295	0.000401
1192.75	0.0115909	0.000619
1193.23	0.0185538	0.000445
1193.72	0.0416517	0.000267
1194.2	0.0827974	0.000656
1194.68	0.192704	0.000579
1195.16	0.1257	0.000705
1195.64	0.0297135	0.000556
1196.13	0.0119018	0.000579
1196.61	0.0128765	0.000561
1197.09	0.0101087	0.000529
1197.57	0.0178422	0.000417
1198.06	0.0153314	0.000405
1198.54	0.0157516	0.00078
1199.02	0.0004322	0.000536
1199.5	0.0021181	0.000566
1199.98	0.0027106	0.000391
1200.47	0.0055997	0.000537
1200.95	0.0002949	0.000468
1201.43	0.0008649	0.000311
1201.91	0.0013298	0.000368
1202.39	0.0023479	0.000447
1202.88	0.0007156	0.000208
1203.36	0.0015279	0.000652
1203.84	0.0026658	0.000461
1204.32	0.0050038	0.000354
1204.8	0.0013651	0.000244
1205.29	0.0024024	0.000464

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0032885	0.00058
1206.25	0.0017635	0.000314
1206.73	0.0031517	0.000507
1207.21	0.0051682	0.000355
1207.7	0.0067298	0.000534
1208.18	0.0027739	0.000551
1208.66	0.0026051	0.000366
1209.14	0.0024451	0.000253
1209.62	0.0039935	0.000384
1210.11	0.0078038	0.000376
1210.59	0.0051818	0.000471
1211.07	0.0080351	0.000539
1211.55	0.0190811	0.000351
1212.03	0.0491994	0.00052
1212.52	0.0981169	0.000292
1213	0.0354485	0.000609
1213.48	0.0200979	0.000508
1213.96	0.0081305	0.000286
1214.45	0.0020057	0.000637
1214.93	0.0022857	0.000374
1215.41	0.0034596	0.000459
1215.89	0.0028813	0.00052
1216.37	0.0051943	0.000506
1216.86	0.0053191	0.000528
1217.34	0.0075254	0.000393
1217.82	0.0056946	0.000272
1218.3	0.0006304	0.000611
1218.78	0.0016113	0.000324
1219.27	0.000749	0.00029
1219.75	0.0002932	0.000262
1220.23	0.0015955	0.000436
1220.71	0.0017893	0.000591
1221.19	0.0025203	0.000644
1221.68	0.0036646	0.00029
1222.16	0.0011833	0.000503
1222.64	0.0006088	0.000559
1223.12	0.0014678	0.000407
1223.6	0.0011994	0.000408
1224.09	0.0018407	0.000492
1224.57	0.0028263	0.000418
1225.05	0.0029256	0.000345
1225.53	0.0017722	0.000555
1226.01	0.0008039	0.000381
1226.5	0.0004267	0.000429
1226.98	0.0017534	0.000419

Ammonia

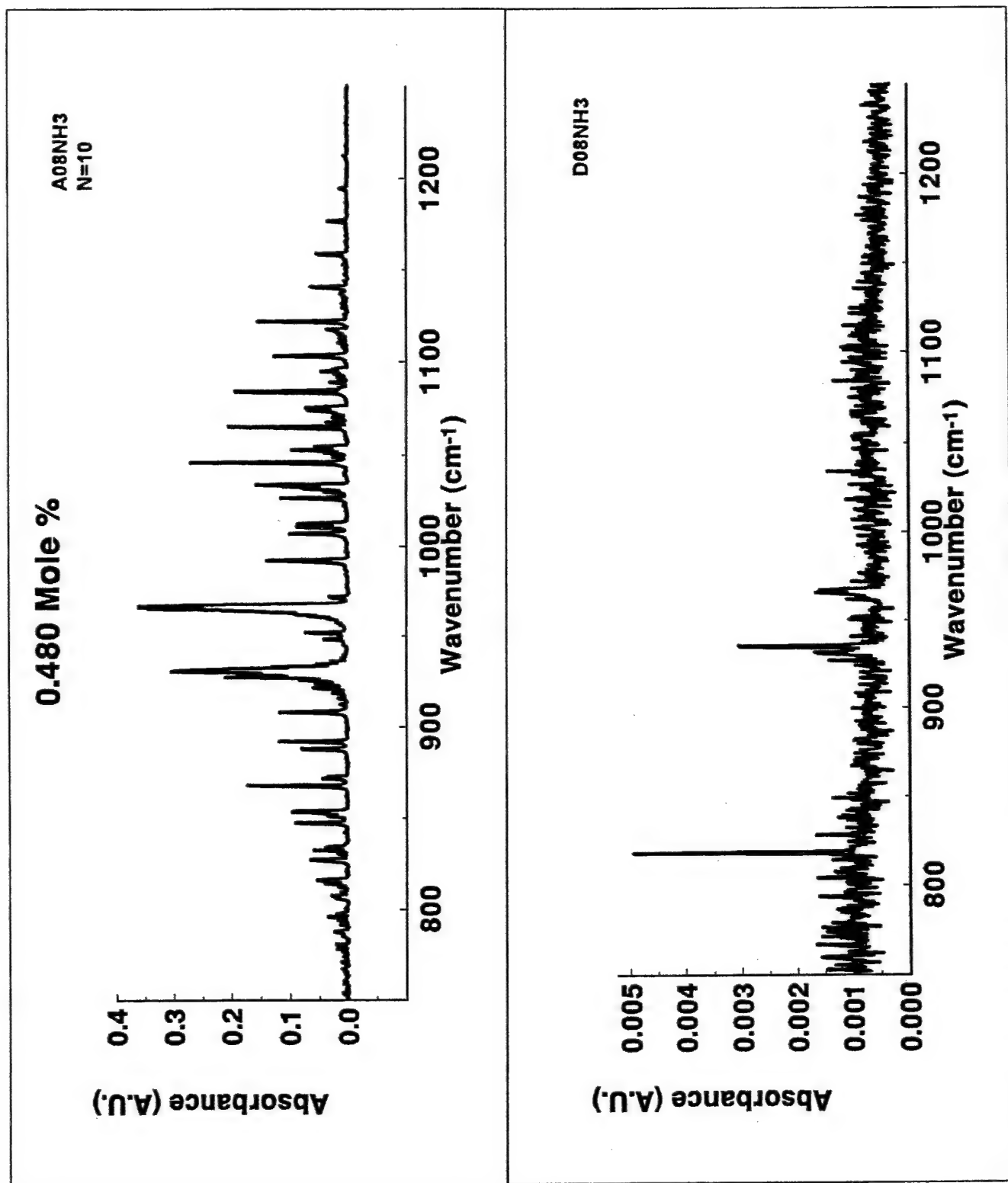
6.416 Mole %

A07NH3

D07NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0022208	0.000261
1227.94	0.0058865	0.00048
1228.42	0.0045378	0.000281
1228.91	0.0062458	0.000295
1229.39	0.0158577	0.000387
1229.87	0.0356606	0.000536
1230.35	0.030735	0.000665
1230.83	0.0067994	0.000453
1231.32	0.0043515	0.000283
1231.8	0.001642	0.000533
1232.28	0.0024906	0.000411
1232.76	0.0015914	0.000426
1233.25	0.0017526	0.000567
1233.73	0.0026184	0.000365
1234.21	0.0012025	0.000339
1234.69	0.0011711	0.000411
1235.17	0.0007933	0.000426
1235.66	0.0008472	0.000358
1236.14	0.001224	0.00043
1236.62	0.0032843	0.000549
1237.1	0.0029222	0.000443
1237.58	0.0012718	0.000537
1238.07	0.0005182	0.000379
1238.55	0.001472	0.000448
1239.03	0.0021658	0.000345
1239.51	0.0016785	0.000555
1239.99	0.0018955	0.000602
1240.48	0.0009948	0.00071
1240.96	0.0002858	0.000363
1241.44	-0.0006271	0.000435
1241.92	0.0004479	0.000407
1242.4	0.0018407	0.000506
1242.89	0.0006952	0.000539
1243.37	0.0010603	0.0005
1243.85	0.0020124	0.000338
1244.33	0.0006744	0.00042
1244.81	0.0020305	0.000637
1245.3	0.0005368	0.00045
1245.78	0.0016112	0.000483
1246.26	0.0032638	0.000347
1246.74	0.0065626	0.000393
1247.22	0.0142006	0.000411
1247.71	0.008746	0.000541
1248.19	0.0036859	0.000472
1248.67	0.0027843	0.000372

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0000409	0.00054
1249.63	0.0011266	0.000525
1250.12	0.0012283	0.000351



Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	-0.0014653	0.00097
750.677	0.0000195	0.000951
751.159	0.0016918	0.000926
751.641	0.0030098	0.000697
752.123	0.0026952	0.00086
752.605	0.0001064	0.001457
753.087	0.0068174	0.000843
753.57	0.0085214	0.000883
754.052	-0.0010789	0.000787
754.534	0.002431	0.001035
755.016	-0.0001094	0.001302
755.498	0.0036861	0.001111
755.98	0.0003159	0.000988
756.462	0.0021132	0.000545
756.944	0.0007378	0.000784
757.426	-0.0006105	0.000789
757.909	0.0022393	0.001082
758.391	0.0035542	0.001147
758.873	0.0075358	0.001263
759.355	0.0021169	0.001553
759.837	0.0030638	0.001457
760.319	0.0070915	0.000649
760.801	0.0066027	0.000809
761.283	0.0040936	0.001074
761.766	0.0039592	0.000471
762.248	0.0017918	0.00087
762.73	0.0017877	0.001074
763.212	-0.0008432	0.000948
763.694	0.0024995	0.000829
764.176	0.0043673	0.000826
764.658	0.0052517	0.000731
765.14	0.0027543	0.00072
765.622	0.0050473	0.001242
766.105	0.0072904	0.001189
766.587	0.0047458	0.001646
767.069	0.0095406	0.000786
767.551	0.0048688	0.000822
768.033	0.0046309	0.000854
768.515	0.0001015	0.000747
768.997	-0.0002266	0.000971
769.479	0.0005921	0.000825
769.961	0.0014719	0.001221
770.444	0.0072256	0.000763
770.926	0.0115184	0.001545
771.408	0.0005005	0.000917

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0034754	0.000877
772.372	0.0020419	0.000757
772.854	0.0027887	0.001172
773.336	0.0036848	0.001329
773.818	0.0080513	0.001469
774.301	0.0034787	0.001172
774.783	0.0012485	0.000742
775.265	0.0016171	0.000932
775.747	0.002183	0.001404
776.229	0.0092542	0.001535
776.711	0.0031458	0.000525
777.193	0.0034618	0.00113
777.675	0.0048704	0.000815
778.157	0.0182601	0.000778
778.64	0.0027182	0.001361
779.122	0.0066912	0.000989
779.604	0.0130973	0.00108
780.086	0.0164293	0.000995
780.568	0.0199703	0.001021
781.05	0.0022046	0.000979
781.532	0.0005262	0.000844
782.014	0.0020976	0.001033
782.497	-0.001009	0.000724
782.979	-0.0003678	0.00096
783.461	-0.0007615	0.000786
783.943	0.0014417	0.000929
784.425	0.0034227	0.001109
784.907	0.0059312	0.001197
785.389	0.0095659	0.000994
785.871	0.0086855	0.000849
786.353	0.0082508	0.001269
786.836	0.0103975	0.001166
787.318	0.0181387	0.000853
787.8	0.022126	0.000656
788.282	0.0168378	0.001094
788.764	0.0045356	0.00077
789.246	0.0006686	0.000568
789.728	0.0009736	0.000695
790.21	-0.0005104	0.000881
790.692	0.001832	0.00064
791.175	0.0042503	0.000974
791.657	0.0133964	0.000812
792.139	0.0010944	0.000866
792.621	0.0022577	0.001177
793.103	0.0019606	0.000941

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.005702	0.001591
794.067	0.0171829	0.000742
794.549	0.0050638	0.000989
795.032	0.0043271	0.000529
795.514	0.0126189	0.001031
795.996	0.0340179	0.001142
796.478	0.0024879	0.001003
796.96	0.00705	0.001091
797.442	0.0197775	0.001011
797.924	0.0125747	0.000718
798.406	0.0067155	0.000584
798.888	0.00205	0.000861
799.371	0.0022148	0.000949
799.853	0.0011079	0.000938
800.335	0.0045464	0.001076
800.817	0.0037983	0.000694
801.299	0.0024623	0.001073
801.781	0.0017508	0.001105
802.263	0.0008139	0.000929
802.745	0.0001179	0.000486
803.227	-0.0007809	0.00069
803.71	0.0007568	0.000629
804.192	-0.0003602	0.001626
804.674	0.001971	0.001404
805.156	0.004037	0.000878
805.638	0.0126406	0.000778
806.12	0.0211821	0.000764
806.602	0.0164566	0.00095
807.084	0.0236147	0.001286
807.567	0.0278497	0.001307
808.049	0.0043952	0.000985
808.531	0.004153	0.001145
809.013	0.0061674	0.000739
809.495	0.0132769	0.001199
809.977	0.0037326	0.001018
810.459	0.0020203	0.000998
810.941	0.0028228	0.000665
811.423	0.0024067	0.000695
811.906	0.011141	0.000768
812.388	0.0169942	0.000956
812.87	0.0051172	0.000738
813.352	0.0103944	0.000696
813.834	0.0258053	0.000848
814.316	0.0395242	0.001353
814.798	0.0137385	0.001296

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0252418	0.000883
815.762	0.026603	0.000595
816.245	0.0530346	0.000851
816.727	0.040468	0.00101
817.209	0.0052169	0.001384
817.691	0.0023671	0.000991
818.173	0.0024134	0.004936
818.655	0.0015628	0.003779
819.137	-0.0000823	0.001007
819.619	0.0023113	0.00112
820.102	0.0002069	0.000978
820.584	0.0005092	0.001038
821.066	0.0031469	0.001004
821.548	0.0009764	0.001044
822.03	0.0028751	0.000891
822.512	0.0021163	0.00082
822.994	0.0008154	0.000764
823.476	0.0000124	0.000769
823.959	0.0001215	0.000623
824.441	0.0001564	0.001067
824.923	0.0028601	0.000953
825.405	0.0048784	0.000902
825.887	0.0111785	0.000909
826.369	0.0264965	0.000678
826.851	0.0361714	0.000857
827.333	0.0645277	0.000987
827.816	0.0585327	0.001083
828.298	0.0046342	0.001647
828.78	0.0055744	0.000774
829.262	0.0048399	0.001005
829.744	0.0033977	0.000629
830.226	0.009621	0.000898
830.708	0.0183668	0.000674
831.19	0.0033825	0.000686
831.672	0.0062249	0.000797
832.155	0.0263474	0.001107
832.637	0.0579536	0.000612
833.119	0.0092503	0.000569
833.601	0.0236632	0.000718
834.083	0.0388844	0.000854
834.565	0.03464	0.000901
835.047	0.0110715	0.000868
835.529	0.005774	0.000669
836.011	0.0052038	0.000654
836.494	0.0021241	0.001087

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0015981	0.000641
837.458	0.0018849	0.00094
837.94	0.0009088	0.001246
838.422	-0.0000221	0.000695
838.904	0.0009362	0.001178
839.386	0.0007879	0.00071
839.868	0.0014071	0.000813
840.351	0.0023258	0.000765
840.833	0.000664	0.000885
841.315	0.0009968	0.000938
841.797	0.0019608	0.001097
842.279	0.0058626	0.000547
842.761	0.0022094	0.001021
843.243	0.0020066	0.000541
843.725	0.0036748	0.000587
844.207	0.0021776	0.000749
844.69	0.0006891	0.000516
845.172	0.0027123	0.000844
845.654	0.0053874	0.000578
846.136	0.0076021	0.000484
846.618	0.0210555	0.000375
847.1	0.0586899	0.000627
847.582	0.089545	0.000961
848.064	0.0142501	0.001024
848.546	0.0070136	0.000706
849.029	0.00714	0.00134
849.511	0.0065191	0.000795
849.993	0.0065046	0.000905
850.475	0.0146022	0.000718
850.957	0.0332743	0.000817
851.439	0.0366595	0.001065
851.921	0.0190072	0.000643
852.403	0.0393105	0.000857
852.886	0.0465667	0.000753
853.368	0.0951092	0.000635
853.85	0.0878395	0.000903
854.332	0.0099891	0.00069
854.814	0.0049164	0.000694
855.296	0.0032272	0.000832
855.778	0.0010473	0.000879
856.26	0.0010563	0.000673
856.742	0.0006804	0.000584
857.225	0.001621	0.000419
857.707	0.0003282	0.000826
858.189	0.0016003	0.000736

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0002273	0.000785
859.153	0.0002198	0.000764
859.635	0.0001866	0.000749
860.117	0.0015132	0.000685
860.599	0.0015113	0.000714
861.081	0.0016146	0.000529
861.564	0.001523	0.000668
862.046	0.0028326	0.000741
862.528	0.0026159	0.000732
863.01	0.0012013	0.000578
863.492	0.0020085	0.000519
863.974	0.0020883	0.000764
864.456	0.0015165	0.00029
864.938	0.0025048	0.000504
865.421	0.0033555	0.000628
865.903	0.0073176	0.000829
866.385	0.0115075	0.000592
866.867	0.0307305	0.000682
867.349	0.0973947	0.001013
867.831	0.171689	0.000929
868.313	0.0144918	0.000945
868.795	0.0066277	0.000714
869.277	0.0041895	0.000927
869.76	0.0040013	0.000754
870.242	0.0045996	0.000958
870.724	0.0068726	0.000579
871.206	0.017302	0.000542
871.688	0.0432853	0.000928
872.17	0.0308798	0.000603
872.652	0.0348741	0.000742
873.134	0.0042504	0.000792
873.617	0.0025383	0.000462
874.099	0.0010856	0.000945
874.581	0.0012665	0.000753
875.063	0.0016969	0.000848
875.545	0.0017148	0.000804
876.027	0.0017713	0.000855
876.509	0.0013453	0.00057
876.991	0.000617	0.000507
877.474	0.002215	0.000501
877.956	0.0009865	0.000545
878.438	-0.0000102	0.000585
878.92	0.0011108	0.000679
879.402	0.0005184	0.000897
879.884	-0.0005342	0.000466

Ammonia

0.48 Mole %

A08NH3
D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0007798	0.000815
880.848	0.0019076	0.000682
881.33	0.000755	0.000962
881.813	0.001762	0.00095
882.295	0.0014756	0.000943
882.777	0.0034464	0.00059
883.259	0.0022015	0.000694
883.741	0.0019758	0.000716
884.223	0.0024352	0.000384
884.705	0.0026852	0.000512
885.187	0.0033745	0.000582
885.669	0.0041762	0.000533
886.152	0.0059465	0.000718
886.634	0.010304	0.000302
887.116	0.0284338	0.000689
887.598	0.0780607	0.000827
888.08	0.0792538	0.000587
888.562	0.0102252	0.000618
889.044	0.0055264	0.000836
889.526	0.0044544	0.000863
890.009	0.0063207	0.000727
890.491	0.0073744	0.000855
890.973	0.0166267	0.000423
891.455	0.0505154	0.000623
891.937	0.117283	0.000639
892.419	0.0206047	0.000921
892.901	0.0040828	0.000553
893.383	0.0028199	0.000552
893.865	0.0006398	0.000779
894.348	0.0010571	0.000493
894.83	0.0020809	0.000774
895.312	0.0017589	0.000765
895.794	0.0017294	0.000661
896.276	0.0019335	0.000802
896.758	0.002858	0.000767
897.24	0.0021842	0.000665
897.722	0.0008081	0.00079
898.204	0.0006011	0.000633
898.687	0.00224	0.00057
899.169	0.0000152	0.000701
899.651	0.0003668	0.000991
900.133	0.002238	0.000432
900.615	0.0011651	0.000635
901.097	0.0011069	0.000798
901.579	0.0007412	0.000715

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0019471	0.000517
902.544	0.0032577	0.000717
903.026	0.0027424	0.000753
903.508	0.0023552	0.00068
903.99	0.0023977	0.000713
904.472	0.0035974	0.000739
904.954	0.0038854	0.000624
905.436	0.0045081	0.000603
905.918	0.0067743	0.000656
906.4	0.0092671	0.000876
906.883	0.0150986	0.00085
907.365	0.0391972	0.000634
907.847	0.116611	0.000859
908.329	0.0761972	0.000925
908.811	0.0157117	0.000335
909.293	0.0079531	0.00064
909.775	0.005196	0.000744
910.257	0.0038718	0.000583
910.739	0.0033152	0.000645
911.222	0.0042936	0.000562
911.704	0.0068255	0.000509
912.186	0.0128803	0.000605
912.668	0.0029579	0.000672
913.15	0.0027148	0.000853
913.632	0.0015082	0.000389
914.114	0.0025983	0.000598
914.596	0.0042491	0.000494
915.079	0.0081271	0.000433
915.561	0.0159838	0.000543
916.043	0.0060814	0.000495
916.525	0.0065411	0.000402
917.007	0.0050436	0.00084
917.489	0.0062896	0.000405
917.971	0.0112864	0.000431
918.453	0.0264283	0.000664
918.935	0.0086061	0.000689
919.418	0.0086729	0.000727
919.9	0.0081874	0.000709
920.382	0.018575	0.000839
920.864	0.0464686	0.00033
921.346	0.0588086	0.000608
921.828	0.021057	0.000642
922.31	0.0149135	0.000532
922.792	0.0247497	0.00059
923.275	0.0552873	0.00067

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0496794	0.000787
924.239	0.0267387	0.000934
924.721	0.0304878	0.000449
925.203	0.0617716	0.000594
925.685	0.0827931	0.00045
926.167	0.0492074	0.000667
926.649	0.0883582	0.000858
927.132	0.210563	0.001401
927.614	0.104462	0.000585
928.096	0.11712	0.000899
928.578	0.189644	0.000659
929.06	0.166676	0.000738
929.542	0.149318	0.000669
930.024	0.228488	0.001073
930.506	0.303411	0.001197
930.988	0.299785	0.001617
931.471	0.259111	0.001096
931.953	0.190636	0.001678
932.435	0.103775	0.001054
932.917	0.130212	0.000961
933.399	0.0348255	0.001096
933.881	0.051826	0.000879
934.363	0.0530412	0.001364
934.845	0.0191529	0.003024
935.328	0.02157	0.003051
935.81	0.0290343	0.001218
936.292	0.0060908	0.000989
936.774	0.0084282	0.000567
937.256	0.0120786	0.000725
937.738	0.0072223	0.00081
938.22	0.0044874	0.000464
938.702	0.0072914	0.00066
939.184	0.0072823	0.000564
939.667	0.0031698	0.000656
940.149	0.0031296	0.000392
940.631	0.0025266	0.001009
941.113	0.0037746	0.000849
941.595	0.0019757	0.000623
942.077	0.0019885	0.000454
942.559	0.001894	0.000781
943.041	0.0023432	0.000785
943.523	0.0022011	0.000591
944.006	0.0038598	0.000804
944.488	0.0054043	0.000718
944.97	0.0078276	0.0008

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0075047	0.00054
945.934	0.0076589	0.00057
946.416	0.0084407	0.000679
946.898	0.0081405	0.000771
947.38	0.0154097	0.000703
947.863	0.0407148	0.000789
948.345	0.037632	0.000638
948.827	0.0114789	0.000318
949.309	0.0148591	0.000494
949.791	0.0100965	0.00059
950.273	0.0106135	0.001039
950.755	0.0142512	0.000448
951.237	0.0364015	0.000719
951.719	0.0719554	0.000987
952.202	0.01009	0.000841
952.684	0.0062906	0.000516
953.166	0.0062112	0.000567
953.648	0.0053308	0.000576
954.13	0.0064142	0.000631
954.612	0.006318	0.000597
955.094	0.0061718	0.000521
955.576	0.008254	0.000678
956.058	0.0133558	0.000443
956.541	0.0108203	0.000279
957.023	0.0125416	0.000624
957.505	0.0200037	0.000477
957.987	0.0197424	0.000486
958.469	0.0181922	0.000522
958.951	0.024627	0.000486
959.433	0.0361538	0.000524
959.915	0.0313433	0.000576
960.398	0.0412526	0.000515
960.88	0.0688349	0.0006
961.362	0.0550322	0.000698
961.844	0.0879839	0.001088
962.326	0.0926394	0.000686
962.808	0.0891771	0.000875
963.29	0.148316	0.000918
963.772	0.141064	0.000766
964.254	0.215772	0.000901
964.737	0.218075	0.001103
965.219	0.345011	0.001294
965.701	0.24934	0.001638
966.183	0.36031	0.001091
966.665	0.359837	0.001165

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.324959	0.001579
967.629	0.174897	0.001324
968.111	0.0407955	0.000801
968.594	0.0086701	0.000511
969.076	0.0055925	0.000526
969.558	0.0033429	0.000689
970.04	0.0038138	0.000444
970.522	0.0053842	0.000561
971.004	0.0119898	0.000595
971.486	0.0291747	0.000495
971.968	0.0305929	0.00099
972.45	0.0038011	0.000434
972.933	0.000335	0.000752
973.415	0.0002535	0.000601
973.897	-0.0011396	0.000573
974.379	-0.000889	0.000356
974.861	-0.0015002	0.000736
975.343	-0.0005717	0.000442
975.825	-0.0000744	0.000513
976.307	-0.0005159	0.000719
976.79	0.0001551	0.000855
977.272	0.0015515	0.000572
977.754	0.0004021	0.000684
978.236	0.0007856	0.000566
978.718	0.0013467	0.00073
979.2	0.0008316	0.000457
979.682	0.0010224	0.00049
980.164	-0.0000397	0.00055
980.646	0.0005336	0.000531
981.129	0.0005841	0.000698
981.611	0.0002401	0.000504
982.093	0.0008421	0.000497
982.575	0.0009951	0.000521
983.057	0.0005674	0.000587
983.539	0.0011919	0.00037
984.021	0.0022525	0.000481
984.503	0.0029131	0.000588
984.986	0.001859	0.000381
985.468	0.0017757	0.000677
985.95	0.0014957	0.000521
986.432	0.0025697	0.000584
986.914	0.0022748	0.0006
987.396	0.0050385	0.000623
987.878	0.0049853	0.000647
988.36	0.0047359	0.000747

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0044501	0.000404
989.325	0.0049754	0.000676
989.807	0.0056873	0.000484
990.289	0.0105715	0.000677
990.771	0.0207753	0.000515
991.253	0.0443986	0.000331
991.735	0.0890335	0.0008
992.217	0.138487	0.000402
992.699	0.13505	0.000885
993.181	0.010828	0.00076
993.664	0.0033367	0.000534
994.146	0.0010575	0.000362
994.628	-0.0000392	0.000652
995.11	0.0001192	0.0007
995.592	0.0004791	0.000594
996.074	0.0000879	0.000535
996.556	-0.0005338	0.000655
997.038	0.0030872	0.000427
997.521	0.0034143	0.000479
998.003	0.0017158	0.000873
998.485	0.001054	0.000454
998.967	0.0012651	0.000631
999.449	0.0025222	0.00044
999.931	0.0018937	0.000427
1000.41	0.0017682	0.000573
1000.89	0.001027	0.000595
1001.37	0.0021903	0.000782
1001.86	0.0010375	0.000718
1002.34	0.0024308	0.000924
1002.82	0.0020217	0.000683
1003.3	0.0032077	0.000791
1003.78	0.0039191	0.000515
1004.27	0.0045265	0.000324
1004.75	0.0048759	0.000386
1005.23	0.0087788	0.000575
1005.71	0.0130459	0.000486
1006.19	0.0185696	0.000366
1006.68	0.0403716	0.000862
1007.16	0.0993564	0.000974
1007.64	0.0866615	0.00058
1008.12	0.0115563	0.000793
1008.6	0.0066377	0.000846
1009.09	0.0061013	0.000598
1009.57	0.0079083	0.000762
1010.05	0.0146422	0.000545

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0367809	0.000444
1011.02	0.0867355	0.000533
1011.5	0.0265021	0.000516
1011.98	0.0458916	0.000869
1012.46	0.0860614	0.000731
1012.94	0.072989	0.000928
1013.43	0.0131894	0.000773
1013.91	0.0040832	0.00075
1014.39	0.001426	0.000312
1014.87	0.0009351	0.000561
1015.35	0.0011407	0.000739
1015.84	0.0024727	0.000608
1016.32	0.0009419	0.000571
1016.8	0.0002261	0.000589
1017.28	0.0007773	0.000872
1017.77	0.0006986	0.000322
1018.25	0.0014361	0.001084
1018.73	0.0010263	0.000363
1019.21	0.0009388	0.000924
1019.69	0.0029374	0.000589
1020.18	0.0023446	0.000603
1020.66	0.0022447	0.000371
1021.14	0.003242	0.000615
1021.62	0.0034603	0.00064
1022.1	0.0031364	0.000239
1022.59	0.0070157	0.000472
1023.07	0.0046939	0.000689
1023.55	0.0033353	0.000478
1024.03	0.003262	0.000819
1024.52	0.004536	0.000583
1025	0.0069839	0.00081
1025.48	0.0089311	0.000748
1025.96	0.0206298	0.000297
1026.44	0.0519554	0.000641
1026.93	0.113844	0.001019
1027.41	0.0092161	0.00054
1027.89	0.0052581	0.00056
1028.37	0.0060478	0.000404
1028.85	0.0056055	0.000427
1029.34	0.0108278	0.000569
1029.82	0.0225469	0.000452
1030.3	0.041671	0.000415
1030.78	0.0139018	0.000478
1031.26	0.0334626	0.000845
1031.75	0.0733792	0.000621

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.0780127	0.00097
1032.71	0.0495106	0.000729
1033.19	0.110613	0.000862
1033.67	0.108447	0.000647
1034.16	0.156698	0.001424
1034.64	0.0094719	0.0007
1035.12	0.0022381	0.000396
1035.6	0.0004978	0.000552
1036.08	-0.0002988	0.000734
1036.57	0.0009851	0.000814
1037.05	0.0009876	0.000563
1037.53	0.0008484	0.000899
1038.01	0.0021388	0.000653
1038.49	0.0020596	0.000527
1038.98	0.0034039	0.00059
1039.46	0.0051947	0.000869
1039.94	0.0036636	0.000586
1040.42	0.0050416	0.000781
1040.9	0.0056674	0.000732
1041.39	0.0031652	0.000623
1041.87	0.0027195	0.000778
1042.35	0.0030646	0.000706
1042.83	0.0039234	0.000793
1043.32	0.003133	0.000756
1043.8	0.0077274	0.000612
1044.28	0.0118629	0.000828
1044.76	0.0164137	0.00066
1045.24	0.0415266	0.000781
1045.73	0.115177	0.000369
1046.21	0.269726	0.000927
1046.69	0.0422023	0.00096
1047.17	0.011179	0.000823
1047.65	0.0085191	0.000745
1048.14	0.006295	0.000735
1048.62	0.0141018	0.000512
1049.1	0.0257046	0.000785
1049.58	0.0081421	0.000546
1050.06	0.0052728	0.000807
1050.55	0.0114487	0.000648
1051.03	0.02456	0.000656
1051.51	0.0413051	0.000889
1051.99	0.0177727	0.000945
1052.47	0.0419308	0.000815
1052.96	0.09524	0.000953
1053.44	0.0268152	0.000972

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0463347	0.000593
1054.4	0.0485428	0.000743
1054.88	0.0567399	0.000916
1055.37	0.0064997	0.000557
1055.85	0.0021412	0.000614
1056.33	0.0020487	0.000644
1056.81	0.0003648	0.000599
1057.29	0.0013585	0.000565
1057.78	-0.0005864	0.00054
1058.26	0.0008689	0.000633
1058.74	0.0029022	0.000681
1059.22	0.0024558	0.000321
1059.71	0.0022342	0.00043
1060.19	0.0036733	0.000571
1060.67	0.0039829	0.000785
1061.15	0.0041182	0.000682
1061.63	0.0043804	0.000434
1062.12	0.0041883	0.000803
1062.6	0.0045108	0.000387
1063.08	0.0069514	0.000508
1063.56	0.0094204	0.00076
1064.04	0.0126066	0.000789
1064.53	0.0370087	0.000963
1065.01	0.0990945	0.00082
1065.49	0.204214	0.000984
1065.97	0.0163429	0.000653
1066.45	0.0053381	0.000555
1066.94	0.0072784	0.000615
1067.42	0.0194043	0.000993
1067.9	0.0369242	0.00082
1068.38	0.0059132	0.000455
1068.86	0.004757	0.000478
1069.35	0.0065792	0.000398
1069.83	0.013939	0.000556
1070.31	0.0263945	0.000906
1070.79	0.0128669	0.0005
1071.27	0.0069112	0.000487
1071.76	0.0138083	0.000444
1072.24	0.0221241	0.00057
1072.72	0.0268425	0.000796
1073.2	0.0208837	0.000648
1073.68	0.0430327	0.000784
1074.17	0.0681544	0.000843
1074.65	0.0304059	0.000654
1075.13	0.0706962	0.00102

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.0716943	0.000894
1076.09	0.0503284	0.000631
1076.58	0.0048855	0.000826
1077.06	0.0012707	0.000502
1077.54	0.0011936	0.000752
1078.02	0.0020639	0.000856
1078.51	0.0016767	0.000801
1078.99	0.0032083	0.000502
1079.47	0.0022106	0.000412
1079.95	0.0028446	0.000975
1080.43	0.0034537	0.000546
1080.92	0.0048946	0.000733
1081.4	0.0059404	0.000616
1081.88	0.0082505	0.000622
1082.36	0.0113328	0.000421
1082.84	0.0140746	0.000328
1083.33	0.0305919	0.000621
1083.81	0.0814768	0.000635
1084.29	0.193264	0.00131
1084.77	0.0874029	0.000746
1085.25	0.016458	0.00093
1085.74	0.014159	0.000472
1086.22	0.0162793	0.000736
1086.7	0.0048484	0.00072
1087.18	0.0043496	0.000894
1087.66	0.0039224	0.000694
1088.15	0.0083066	0.000878
1088.63	0.0157162	0.00051
1089.11	0.0301377	0.000859
1089.59	0.009454	0.0005
1090.07	0.0031781	0.000979
1090.56	0.0034657	0.00048
1091.04	0.0096284	0.000506
1091.52	0.0171683	0.000449
1092	0.0090978	0.000606
1092.48	0.0062746	0.000784
1092.97	0.0119147	0.000671
1093.45	0.0235873	0.000903
1093.93	0.0142155	0.000642
1094.41	0.0205233	0.001143
1094.9	0.0457943	0.000885
1095.38	0.018023	0.000849
1095.86	0.0270556	0.000892
1096.34	0.020064	0.000386
1096.82	0.0110687	0.001019

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0015624	0.000495
1097.79	0.0022146	0.000561
1098.27	0.0012898	0.000751
1098.75	0.0015532	0.000683
1099.23	0.0030744	0.000374
1099.72	0.0044689	0.000617
1100.2	0.003431	0.000903
1100.68	0.0046343	0.000485
1101.16	0.00762	0.001115
1101.64	0.008392	0.000851
1102.13	0.0178576	0.000678
1102.61	0.0535391	0.001154
1103.09	0.125844	0.000357
1103.57	0.0906071	0.001051
1104.05	0.0192779	0.00052
1104.54	0.0076869	0.000628
1105.02	0.0038159	0.000762
1105.5	0.0019728	0.000742
1105.98	0.0016008	0.000817
1106.46	0.0008841	0.000556
1106.95	0.0043945	0.000837
1107.43	0.0067185	0.000827
1107.91	0.0093799	0.000755
1108.39	0.0026387	0.000678
1108.87	0.0013976	0.001012
1109.36	0.0035206	0.000688
1109.84	0.0086543	0.000916
1110.32	0.0165104	0.000961
1110.8	0.0151152	0.000567
1111.28	0.0028355	0.000666
1111.77	0.0050062	0.000487
1112.25	0.00588	0.000897
1112.73	0.0140987	0.00077
1113.21	0.0040442	0.00066
1113.7	0.0041697	0.000684
1114.18	0.0086771	0.000424
1114.66	0.0161855	0.001118
1115.14	0.0084252	0.00083
1115.62	0.0181281	0.00084
1116.11	0.0212499	0.000747
1116.59	0.0183876	0.000468
1117.07	0.0250819	0.000559
1117.55	0.0360047	0.000754
1118.03	0.0022141	0.000636
1118.52	0.0012944	0.000694

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0003697	0.000536
1119.48	0.0035113	0.000586
1119.96	0.0058051	0.000546
1120.44	0.0090096	0.000611
1120.93	0.023435	0.00079
1121.41	0.0671913	0.001011
1121.89	0.154164	0.000794
1122.37	0.0311231	0.000525
1122.85	0.0055423	0.000485
1123.34	0.0048183	0.000777
1123.82	0.0029062	0.000451
1124.3	0.0037151	0.000998
1124.78	0.0048314	0.00047
1125.26	0.0022677	0.000564
1125.75	0.0060518	0.000807
1126.23	0.0036211	0.000674
1126.71	-0.0001308	0.000528
1127.19	0.0007791	0.000642
1127.67	0.0004645	0.000444
1128.16	0.0018375	0.000718
1128.64	0.0035195	0.000563
1129.12	0.0092084	0.000528
1129.6	0.0015892	0.000622
1130.09	0.0020821	0.000567
1130.57	0.0031738	0.000541
1131.05	0.0053457	0.000697
1131.53	0.0096856	0.00051
1132.01	0.0064172	0.000639
1132.5	0.0021277	0.000541
1132.98	0.003225	0.000716
1133.46	0.0042792	0.000486
1133.94	0.0072007	0.000587
1134.42	0.0006377	0.000443
1134.91	0.0044709	0.00067
1135.39	0.0089074	0.00093
1135.87	0.0059708	0.000543
1136.35	0.0092291	0.000572
1136.83	0.0126155	0.000564
1137.32	0.011691	0.00045
1137.8	0.0092135	0.000382
1138.28	0.0048207	0.000421
1138.76	0.0054758	0.000615
1139.24	0.0108622	0.000862
1139.73	0.0257867	0.00048
1140.21	0.0570384	0.00059

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0634322	0.000484
1141.17	0.0066827	0.000706
1141.65	0.0032278	0.00062
1142.14	0.00189	0.000459
1142.62	0.0023576	0.000713
1143.1	0.003683	0.000597
1143.58	0.0052262	0.000657
1144.06	0.0023571	0.000774
1144.55	0.0010277	0.000707
1145.03	-0.0001109	0.000426
1145.51	0.0004032	0.000492
1145.99	0.0004277	0.000568
1146.48	0.001497	0.000606
1146.96	0.0034162	0.000335
1147.44	0.004493	0.00036
1147.92	0.0013297	0.000362
1148.4	0.0013363	0.000587
1148.89	0.0012843	0.000239
1149.37	0.001504	0.000776
1149.85	0.0021018	0.000713
1150.33	0.0044149	0.000407
1150.81	0.0014882	0.000655
1151.3	0.0004336	0.000499
1151.78	0.0008861	0.000415
1152.26	0.003305	0.000643
1152.74	0.0076587	0.000424
1153.22	0.0006481	0.000764
1153.71	0.0018273	0.000724
1154.19	0.0019897	0.000723
1154.67	0.0052471	0.000407
1155.15	0.002229	0.000586
1155.63	0.0029661	0.000361
1156.12	0.0068709	0.000445
1156.6	0.0069132	0.000517
1157.08	0.0098003	0.000399
1157.56	0.008273	0.000632
1158.04	0.0243106	0.000524
1158.53	0.0492227	0.000494
1159.01	0.0532752	0.000693
1159.49	0.0040461	0.000684
1159.97	0.0015364	0.000378
1160.45	0.0004635	0.000481
1160.94	0.0023278	0.000588
1161.42	0.0019678	0.00046
1161.9	0.0003868	0.000604

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0007379	0.000322
1162.86	-0.0001228	0.000422
1163.35	0.0012924	0.000622
1163.83	0.0008448	0.000526
1164.31	0.0014258	0.000344
1164.79	0.0016683	0.000597
1165.28	0.0038436	0.000548
1165.76	0.0001877	0.000524
1166.24	0.0011735	0.000653
1166.72	0.0003742	0.000649
1167.2	-0.0003725	0.000583
1167.69	0.0003843	0.000471
1168.17	0.0006909	0.000529
1168.65	0.002608	0.000399
1169.13	0.0010534	0.000419
1169.61	0.0002599	0.000621
1170.1	0.0011345	0.000649
1170.58	0.0017258	0.000602
1171.06	0.0012948	0.000407
1171.54	0.0023642	0.000367
1172.02	0.0008159	0.000384
1172.51	0.0008781	0.000393
1172.99	0.0036122	0.00057
1173.47	0.0036213	0.000481
1173.95	0.0011659	0.000774
1174.43	0.0023743	0.000674
1174.92	0.0024061	0.00048
1175.4	0.0020596	0.000352
1175.88	0.0056868	0.00042
1176.36	0.0167024	0.00055
1176.84	0.0338771	0.000879
1177.33	0.0094956	0.000494
1177.81	0.0022517	0.000398
1178.29	0.0033285	0.00072
1178.77	0.0010828	0.000425
1179.25	0.0009555	0.000406
1179.74	0.0000979	0.000387
1180.22	0.0002649	0.000431
1180.7	-0.0001791	0.000767
1181.18	0.0009915	0.000548
1181.67	0.0009973	0.000498
1182.15	0.0015546	0.000474
1182.63	0.0010078	0.000479
1183.11	0.0019728	0.000316
1183.59	0.0009999	0.000404

Ammonia

0.48 Mole %

A08NH3

D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0000608	0.000671
1184.56	0.0004021	0.000406
1185.04	0.0007454	0.000559
1185.52	-0.0002313	0.00063
1186	0.0001187	0.000661
1186.49	0.0021648	0.000598
1186.97	0.0031795	0.000825
1187.45	0.0003021	0.000471
1187.93	0.0006992	0.000492
1188.41	0.0007801	0.000489
1188.9	0.000758	0.000284
1189.38	0.0017241	0.000635
1189.86	0.0008437	0.000587
1190.34	0.0006425	0.000651
1190.82	0.000836	0.000475
1191.31	0.0008264	0.000509
1191.79	0.0009744	0.000638
1192.27	0.0015746	0.000664
1192.75	0.0012227	0.000422
1193.23	0.0010182	0.000558
1193.72	0.0030599	0.000741
1194.2	0.0072306	0.000318
1194.68	0.0131962	0.000258
1195.16	0.0103105	0.000293
1195.64	0.0027614	0.00049
1196.13	0.0006686	0.000251
1196.61	0.001639	0.000413
1197.09	0.0006709	0.000596
1197.57	0.0012899	0.000653
1198.06	0.0015918	0.000477
1198.54	0.0016761	0.000443
1199.02	0.000496	0.000353
1199.5	0.0009922	0.000533
1199.98	0.0008205	0.000354
1200.47	0.0011617	0.000598
1200.95	0.000019	0.000564
1201.43	0.0005799	0.000496
1201.91	0.0001283	0.000516
1202.39	0.0006751	0.000613
1202.88	-0.0002052	0.000515
1203.36	0.0007449	0.000327
1203.84	0.0007357	0.000452
1204.32	0.0003168	0.000521
1204.8	0.0003864	0.000586
1205.29	0.0009437	0.000564

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.000071	0.00049
1206.25	0.0002485	0.000409
1206.73	0.0003004	0.000435
1207.21	0.0004699	0.000458
1207.7	-0.000421	0.000488
1208.18	0.0010721	0.000556
1208.66	-0.0003487	0.000362
1209.14	-0.0002313	0.000389
1209.62	0.0007866	0.000562
1210.11	0.0014036	0.000304
1210.59	0.0006344	0.000544
1211.07	0.0021959	0.000526
1211.55	0.0030772	0.000492
1212.03	0.0042241	0.000632
1212.52	0.0062206	0.000658
1213	0.0024209	0.000287
1213.48	0.0012965	0.00039
1213.96	0.0005654	0.000412
1214.45	0.0012632	0.000521
1214.93	-0.0007265	0.00034
1215.41	0.00051	0.00062
1215.89	0.0006183	0.000506
1216.37	0.0008205	0.000382
1216.86	-0.0001701	0.00044
1217.34	0.0016307	0.00059
1217.82	0.0017781	0.000727
1218.3	0.0011218	0.000556
1218.78	0.000188	0.00064
1219.27	0.0007307	0.000469
1219.75	0.0010693	0.000341
1220.23	0.0004041	0.000399
1220.71	-0.0000411	0.000577
1221.19	0.000265	0.000267
1221.68	0.0005383	0.00056
1222.16	0.0004019	0.000613
1222.64	0.0002013	0.000485
1223.12	-0.0000103	0.000511
1223.6	0.0011841	0.000283
1224.09	0.0006177	0.000459
1224.57	0.0015829	0.000484
1225.05	0.0016272	0.00064
1225.53	0.0013037	0.000522
1226.01	0.0004552	0.000439
1226.5	0.0007477	0.00053
1226.98	0.0006552	0.000353

Ammonia

0.48 Mole %

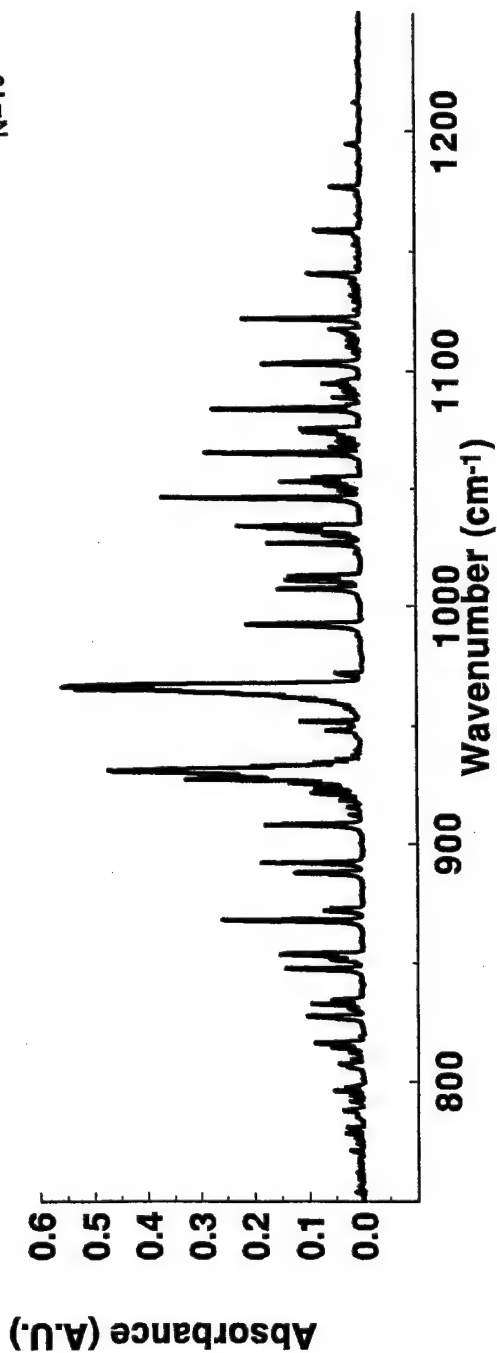
A08NH3
D08NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0008699	0.00027
1227.94	0.0006667	0.000581
1228.42	0.0012769	0.000374
1228.91	-0.0001909	0.000404
1229.39	0.0022137	0.000521
1229.87	0.0024438	0.000309
1230.35	0.0021115	0.000444
1230.83	0.0013665	0.000476
1231.32	0.0002934	0.00065
1231.8	0.0004181	0.000573
1232.28	0.0011606	0.000512
1232.76	-0.0003057	0.000571
1233.25	0.0006337	0.000517
1233.73	0.0013964	0.000458
1234.21	0.0001286	0.000579
1234.69	0.0004967	0.000404
1235.17	0.0002441	0.000357
1235.66	0.0000635	0.000389
1236.14	-0.0002962	0.000445
1236.62	0.000987	0.0003
1237.1	0.0004129	0.000455
1237.58	0.0003571	0.000321
1238.07	0.0010354	0.000774
1238.55	0.0014206	0.000538
1239.03	0.0001853	0.000699
1239.51	0.0006072	0.00054
1239.99	0.0006412	0.000442
1240.48	0.0007985	0.000394
1240.96	-0.0002744	0.000494
1241.44	0.0004713	0.000494
1241.92	0.0005805	0.000386
1242.4	0.0007986	0.000525
1242.89	0.0004417	0.000443
1243.37	0.0015955	0.000467
1243.85	0.0019053	0.000594
1244.33	0.0003994	0.000557
1244.81	0.0004898	0.000602
1245.3	0.0011663	0.000332
1245.78	0.0011657	0.000635
1246.26	0.0009923	0.000521
1246.74	0.0002572	0.000405
1247.22	0.0017734	0.000437
1247.71	0.000605	0.000348
1248.19	0.0013614	0.000441
1248.67	0.0006009	0.000582

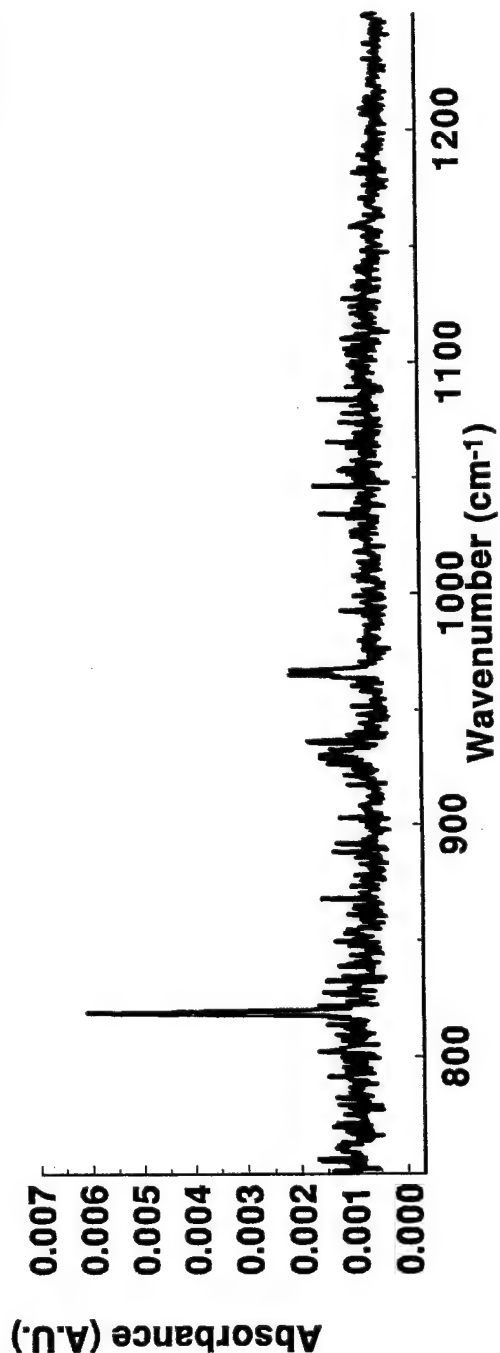
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0003702	0.000586
1249.63	-0.0001361	0.000305
1250.12	0.0002176	0.000302

0.760 Mole %

A09NH3
N=10



D09NH3



Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0043562	0.000906
750.677	0.000571	0.001389
751.159	0.0021069	0.001345
751.641	0.002072	0.000555
752.123	0.0000169	0.000943
752.605	-0.000389	0.000932
753.087	0.0053426	0.001077
753.57	0.0136529	0.000825
754.052	-0.001099	0.001002
754.534	0.0023054	0.001014
755.016	0.0052825	0.0016
755.498	0.0077079	0.00081
755.98	0.003934	0.001666
756.462	0.0089676	0.000814
756.944	0.0026086	0.001062
757.426	0.002267	0.000968
757.909	0.0018203	0.000894
758.391	0.0046313	0.000969
758.873	0.0085513	0.000926
759.355	0.0023514	0.001233
759.837	0.0025106	0.001207
760.319	0.0088206	0.001207
760.801	0.0099074	0.001329
761.283	0.0037657	0.001141
761.766	0.010894	0.001293
762.248	0.0046966	0.000876
762.73	0.0066423	0.001072
763.212	0.0039688	0.001218
763.694	0.0049504	0.00073
764.176	0.007487	0.00071
764.658	0.0073859	0.000673
765.14	0.0032916	0.00094
765.622	0.0081646	0.000929
766.105	0.0084766	0.000495
766.587	0.006002	0.000827
767.069	0.0083068	0.001076
767.551	0.0089634	0.000678
768.033	0.0091971	0.001135
768.515	0.002366	0.000685
768.997	0.0024239	0.001023
769.479	0.0023251	0.000874
769.961	0.0072655	0.001378
770.444	0.0113396	0.000693
770.926	0.0232819	0.000972
771.408	0.0037578	0.001306

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0032853	0.000757
772.372	0.003534	0.000781
772.854	0.0012103	0.000776
773.336	0.005136	0.000845
773.818	0.01189	0.000818
774.301	0.0032622	0.000802
774.783	0.0021018	0.000982
775.265	0.0036461	0.00117
775.747	0.0070133	0.000968
776.229	0.0154324	0.000761
776.711	0.0064117	0.000983
777.193	0.0055092	0.000472
777.675	0.0109771	0.00081
778.157	0.0316255	0.001081
778.64	0.0046485	0.001004
779.122	0.009053	0.000504
779.604	0.0186274	0.001268
780.086	0.0240278	0.000767
780.568	0.0304424	0.000723
781.05	0.0007906	0.00091
781.532	0.0009409	0.000772
782.014	0.0017681	0.00111
782.497	0.0034495	0.001316
782.979	0.0029147	0.000676
783.461	0.0024902	0.00076
783.943	0.0056827	0.000858
784.425	0.0073742	0.001071
784.907	0.0127679	0.000998
785.389	0.0142218	0.001018
785.871	0.0119868	0.000859
786.353	0.015122	0.000829
786.836	0.0149821	0.001073
787.318	0.0245676	0.000962
787.8	0.0363416	0.000807
788.282	0.0281461	0.000589
788.764	0.0071842	0.000993
789.246	0.0025588	0.00081
789.728	0.0033606	0.000751
790.21	0.005738	0.001076
790.692	0.0070055	0.001068
791.175	0.0087815	0.001141
791.657	0.0239332	0.001458
792.139	0.0023675	0.000881
792.621	0.0024541	0.000637
793.103	0.0016193	0.000744

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0076708	0.001135
794.067	0.0248198	0.000817
794.549	0.0061153	0.001006
795.032	0.0052255	0.000686
795.514	0.0203786	0.001183
795.996	0.0527972	0.000771
796.478	0.009188	0.000973
796.96	0.0159948	0.00103
797.442	0.0326334	0.000772
797.924	0.02075	0.001173
798.406	0.0122051	0.001095
798.888	0.0040771	0.000973
799.371	0.0012214	0.000541
799.853	-0.000423	0.001221
800.335	0.0001739	0.001141
800.817	0.0028891	0.000641
801.299	0.0004846	0.000788
801.781	0.0003197	0.000984
802.263	0.0008745	0.001639
802.745	0.0023189	0.001302
803.227	0.0016389	0.00119
803.71	0.0021159	0.001252
804.192	0.0046787	0.001152
804.674	0.0044929	0.000957
805.156	0.0087486	0.000561
805.638	0.0166077	0.001072
806.12	0.0294741	0.000959
806.602	0.0255	0.001026
807.084	0.0374833	0.001211
807.567	0.0444427	0.000783
808.049	0.0072742	0.001074
808.531	0.0049194	0.001214
809.013	0.0082165	0.00073
809.495	0.0224423	0.001318
809.977	0.0059804	0.000631
810.459	0.0055409	0.000855
810.941	0.0068593	0.00105
811.423	0.0099787	0.000804
811.906	0.0193484	0.001075
812.388	0.0269107	0.001155
812.87	0.0082379	0.001114
813.352	0.0116072	0.000796
813.834	0.0380047	0.00148
814.316	0.0592363	0.001082
814.798	0.0189102	0.000968

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0388479	0.000757
815.762	0.0437323	0.000828
816.245	0.0884362	0.00114
816.727	0.0629192	0.001457
817.209	0.0102963	0.001073
817.691	0.0031999	0.001354
818.173	0.0024912	0.001931
818.655	0.0059149	0.004271
819.137	0.0070816	0.006077
819.619	0.0034157	0.004719
820.102	-0.000521	0.003552
820.584	0.00076	0.001153
821.066	0.0005684	0.00106
821.548	0.0011314	0.001061
822.03	0.0008561	0.001643
822.512	0.0025606	0.000579
822.994	0.0011697	0.001088
823.476	0.0038519	0.000984
823.959	0.0029645	0.001116
824.441	0.0052321	0.00082
824.923	0.0051102	0.000724
825.405	0.0071246	0.000629
825.887	0.0176759	0.000829
826.369	0.0447135	0.000929
826.851	0.0563389	0.001398
827.333	0.101357	0.00123
827.816	0.0917019	0.001539
828.298	0.0060419	0.000605
828.78	0.0033605	0.001007
829.262	0.0053901	0.000957
829.744	0.0074197	0.001075
830.226	0.0190197	0.000968
830.708	0.0279082	0.000878
831.19	0.0113821	0.000966
831.672	0.0149427	0.000856
832.155	0.0435011	0.000467
832.637	0.0926858	0.001487
833.119	0.0189488	0.001054
833.601	0.0363256	0.000493
834.083	0.05776	0.000413
834.565	0.0539733	0.001183
835.047	0.0183144	0.000777
835.529	0.0066171	0.000637
836.011	0.0029547	0.000657
836.494	0.0030153	0.00064

Ammonia

0.76 Mole %

A09NH3
D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0025356	0.000639
837.458	0.0049929	0.000721
837.94	0.0034015	0.000712
838.422	0.0047851	0.000624
838.904	0.0027837	0.001243
839.386	0.002995	0.000731
839.868	0.0024524	0.001088
840.351	0.0012773	0.000535
840.833	-9.16E-05	0.000949
841.315	0.0020514	0.00068
841.797	0.0028877	0.000706
842.279	0.0046438	0.000748
842.761	0.003316	0.000711
843.243	0.0033357	0.000845
843.725	0.0041184	0.00103
844.207	0.0043496	0.000464
844.69	0.0049976	0.000493
845.172	0.0064027	0.0007
845.654	0.0112356	0.000748
846.136	0.0154228	0.000572
846.618	0.0353268	0.000519
847.1	0.0955157	0.000747
847.582	0.14094	0.001062
848.064	0.0234276	0.000995
848.546	0.007243	0.000616
849.029	0.0068265	0.000538
849.511	0.009317	0.001316
849.993	0.0115632	0.000886
850.475	0.0210685	0.000988
850.957	0.0557075	0.000833
851.439	0.0610226	0.00064
851.921	0.0308708	0.000907
852.403	0.0643198	0.000822
852.886	0.0740534	0.00114
853.368	0.151151	0.000925
853.85	0.133847	0.000941
854.332	0.0149199	0.001085
854.814	0.0059276	0.0005
855.296	0.0013289	0.000876
855.778	0.0012228	0.000602
856.26	0.0017311	0.00055
856.742	0.0001979	0.000631
857.225	0.0019532	0.000437
857.707	0.0013309	0.000796
858.189	0.0021579	0.000821

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0045856	0.000616
859.153	0.0030296	0.000843
859.635	0.0029415	0.000597
860.117	0.0035168	0.000395
860.599	0.0022785	0.000827
861.081	0.001544	0.001072
861.564	0.0020176	0.000519
862.046	0.0018885	0.000484
862.528	0.0023881	0.00051
863.01	0.0012655	0.000629
863.492	0.0025378	0.000968
863.974	0.0031438	0.000565
864.456	0.0042932	0.000751
864.938	0.0048505	0.000951
865.421	0.0090874	0.000459
865.903	0.0129196	0.000485
866.385	0.0215679	0.000627
866.867	0.0464582	0.000612
867.349	0.148944	0.000862
867.831	0.258175	0.001566
868.313	0.0251475	0.000564
868.795	0.0080505	0.000721
869.277	0.0045128	0.000705
869.76	0.0035699	0.000764
870.242	0.0048914	0.000848
870.724	0.0122683	0.000693
871.206	0.0287347	0.000641
871.688	0.0708565	0.000532
872.17	0.0502898	0.000638
872.652	0.0582058	0.000671
873.134	0.0085555	0.001021
873.617	0.0045738	0.000544
874.099	0.0016793	0.000724
874.581	0.0013192	0.000743
875.063	0.001784	0.000727
875.545	-4.68E-05	0.00083
876.027	0.0012681	0.000411
876.509	0.001911	0.000767
876.991	0.001352	0.00043
877.474	0.0025305	0.000503
877.956	0.0015949	0.000935
878.438	0.0038159	0.000597
878.92	0.0026159	0.000533
879.402	0.0021765	0.000454
879.884	0.003367	0.000426

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0029183	0.000668
880.848	0.0022475	0.000456
881.33	0.0016066	0.000639
881.813	0.0001153	0.000698
882.295	0.0018993	0.000696
882.777	0.0030459	0.000838
883.259	0.0007899	0.000374
883.741	0.0023587	0.00057
884.223	0.002116	0.000648
884.705	0.0047148	0.000601
885.187	0.0047049	0.000476
885.669	0.0083948	0.000921
886.152	0.0110072	0.000478
886.634	0.0181935	0.000506
887.116	0.0454089	0.000819
887.598	0.123754	0.000819
888.08	0.120791	0.001345
888.562	0.0145626	0.000752
889.044	0.0068675	0.000374
889.526	0.0061179	0.000446
890.009	0.0083597	0.000399
890.491	0.0126718	0.000817
890.973	0.0255954	0.000579
891.455	0.0752842	0.000821
891.937	0.185161	0.001279
892.419	0.0357125	0.000574
892.901	0.0109148	0.00057
893.383	0.0055502	0.000783
893.865	0.0044869	0.000574
894.348	0.004013	0.000695
894.83	0.0034545	0.000616
895.312	0.0025025	0.000559
895.794	0.0000618	0.000591
896.276	0.0011694	0.000458
896.758	0.0008179	0.000555
897.24	0.0007058	0.000647
897.722	0.0014643	0.000317
898.204	0.0023835	0.000405
898.687	0.0024365	0.00071
899.169	0.0023883	0.000518
899.651	0.0024775	0.000705
900.133	0.0041372	0.000652
900.615	0.0034727	0.000575
901.097	0.0037803	0.000503
901.579	0.0017587	0.000823

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0021611	0.000407
902.544	0.0025196	0.000333
903.026	0.0027576	0.001209
903.508	0.0019012	0.000453
903.99	0.0024009	0.000596
904.472	0.0055713	0.000556
904.954	0.0057284	0.000465
905.436	0.0072983	0.000724
905.918	0.0115139	0.000664
906.4	0.0156065	0.000727
906.883	0.0239071	0.000646
907.365	0.0597024	0.000772
907.847	0.177163	0.000777
908.329	0.115579	0.000834
908.811	0.0243528	0.000726
909.293	0.0088954	0.000469
909.775	0.0063747	0.00067
910.257	0.0040593	0.000605
910.739	0.0042589	0.000624
911.222	0.0058278	0.000427
911.704	0.0095033	0.000594
912.186	0.0237487	0.000676
912.668	0.0056929	0.000604
913.15	0.0064031	0.000437
913.632	0.005434	0.000507
914.114	0.0061975	0.000593
914.596	0.0077679	0.000581
915.079	0.0136959	0.000587
915.561	0.0273999	0.000492
916.043	0.0088009	0.000684
916.525	0.0099706	0.000569
917.007	0.006293	0.000589
917.489	0.0091606	0.001058
917.971	0.0187728	0.000372
918.453	0.0413485	0.000608
918.935	0.0145709	0.000681
919.418	0.0141612	0.000608
919.9	0.0163748	0.000574
920.382	0.0292865	0.000812
920.864	0.0747074	0.00076
921.346	0.0931126	0.000944
921.828	0.0344632	0.001114
922.31	0.0239043	0.000617
922.792	0.0374664	0.000595
923.275	0.087859	0.000907

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0783877	0.000539
924.239	0.0419971	0.000965
924.721	0.0450544	0.00062
925.203	0.094177	0.000902
925.685	0.132691	0.000778
926.167	0.0785806	0.000656
926.649	0.133847	0.001438
927.132	0.326822	0.001252
927.614	0.174578	0.001035
928.096	0.187404	0.000808
928.578	0.300495	0.001392
929.06	0.26166	0.001575
929.542	0.228724	0.000903
930.024	0.354635	0.001081
930.506	0.460267	0.001582
930.988	0.47062	0.001424
931.471	0.404838	0.001203
931.953	0.298357	0.001273
932.435	0.16476	0.000974
932.917	0.202721	0.001394
933.399	0.0582235	0.000679
933.881	0.0851312	0.000901
934.363	0.0877805	0.000576
934.845	0.0293983	0.000554
935.328	0.039107	0.001029
935.81	0.0467082	0.001565
936.292	0.0085289	0.001803
936.774	0.0117781	0.001624
937.256	0.0182574	0.000848
937.738	0.0104439	0.000412
938.22	0.0055458	0.000387
938.702	0.0092683	0.000744
939.184	0.0115461	0.001064
939.667	0.005816	0.000361
940.149	0.0072333	0.00093
940.631	0.0072948	0.000609
941.113	0.0046599	0.000513
941.595	0.0050727	0.000707
942.077	0.0043294	0.000717
942.559	0.0048222	0.00047
943.041	0.0040629	0.00065
943.523	0.0043202	0.000717
944.006	0.0048901	0.00082
944.488	0.0063717	0.000653
944.97	0.0112049	0.000521

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0109625	0.000351
945.934	0.0126146	0.000632
946.416	0.0134603	0.000596
946.898	0.0151814	0.000316
947.38	0.0268927	0.000386
947.863	0.0652773	0.000849
948.345	0.0601665	0.000731
948.827	0.0203921	0.000633
949.309	0.025459	0.000355
949.791	0.0157529	0.000537
950.273	0.0166598	0.000478
950.755	0.0206833	0.000362
951.237	0.0542881	0.000394
951.719	0.11231	0.000962
952.202	0.0163098	0.000551
952.684	0.0090477	0.000452
953.166	0.0102152	0.000518
953.648	0.0082613	0.000472
954.13	0.0121478	0.000603
954.612	0.0125464	0.000373
955.094	0.0131201	0.000522
955.576	0.0150765	0.000543
956.058	0.0203391	0.000561
956.541	0.0166748	0.000498
957.023	0.01981	0.000496
957.505	0.0309419	0.000455
957.987	0.0313251	0.000783
958.469	0.0251019	0.000442
958.951	0.037994	0.000657
959.433	0.0563187	0.000614
959.915	0.0516745	0.000665
960.398	0.0642925	0.000961
960.88	0.112168	0.000593
961.362	0.0867368	0.000424
961.844	0.142139	0.000644
962.326	0.152694	0.00085
962.808	0.143301	0.000651
963.29	0.239344	0.00052
963.772	0.221734	0.000809
964.254	0.337804	0.001336
964.737	0.336545	0.001224
965.219	0.531324	0.002154
965.701	0.388581	0.001355
966.183	0.554761	0.002115
966.665	0.53847	0.001412

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.481392	0.002136
967.629	0.271147	0.001385
968.111	0.0679211	0.00099
968.594	0.0168785	0.000709
969.076	0.0093579	0.000731
969.558	0.0076688	0.000629
970.04	0.0084013	0.000548
970.522	0.0081763	0.000814
971.004	0.0172426	0.00062
971.486	0.0447052	0.000561
971.968	0.0479769	0.000431
972.45	0.0025583	0.000462
972.933	0.0007099	0.000652
973.415	0.0000717	0.000649
973.897	0.0003415	0.000515
974.379	-1.42E-05	0.000385
974.861	0.000934	0.000642
975.343	0.0010387	0.000688
975.825	0.0025321	0.000743
976.307	0.0013612	0.000275
976.79	0.0003178	0.00051
977.272	0.0004152	0.000563
977.754	-0.000421	0.000724
978.236	-0.000424	0.000657
978.718	-0.000356	0.000561
979.2	0.0002021	0.000535
979.682	0.0015458	0.000814
980.164	0.0007897	0.000477
980.646	0.0020049	0.000461
981.129	0.0025466	0.000709
981.611	0.002592	0.000508
982.093	0.0023639	0.000687
982.575	0.0023235	0.000639
983.057	0.0034139	0.00067
983.539	0.0032495	0.000676
984.021	0.0019019	0.000696
984.503	0.0016927	0.000593
984.986	0.0020331	0.000464
985.468	0.0019251	0.000474
985.95	0.0024196	0.000512
986.432	0.003393	0.000714
986.914	0.0041447	0.000402
987.396	0.0081584	0.00054
987.878	0.0090101	0.000585
988.36	0.0085898	0.00042

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.007277	0.000613
989.325	0.0087234	0.000606
989.807	0.0122498	0.000469
990.289	0.0164847	0.000733
990.771	0.0299299	0.000372
991.253	0.069125	0.00062
991.735	0.136291	0.000728
992.217	0.210118	0.000793
992.699	0.197334	0.001157
993.181	0.0169	0.000409
993.664	0.0051311	0.000686
994.146	0.0029171	0.000341
994.628	-0.000404	0.000527
995.11	0.0016485	0.000637
995.592	0.0024637	0.000675
996.074	0.0026686	0.000759
996.556	0.0032671	0.000683
997.038	0.0033031	0.000424
997.521	0.0034772	0.000523
998.003	0.0015149	0.000356
998.485	0.001713	0.000536
998.967	0.0024483	0.000905
999.449	0.001256	0.000404
999.931	0.0018882	0.000486
1000.41	0.001734	0.000621
1000.89	0.0021414	0.000535
1001.37	0.0036753	0.000739
1001.86	0.0043548	0.00062
1002.34	0.0046247	0.000372
1002.82	0.0056552	0.000401
1003.3	0.0065047	0.000478
1003.78	0.0070183	0.000422
1004.27	0.0069967	0.000367
1004.75	0.0089827	0.000496
1005.23	0.0115829	0.000814
1005.71	0.0163319	0.00046
1006.19	0.0243893	0.000499
1006.68	0.0584378	0.000525
1007.16	0.151278	0.000716
1007.64	0.129818	0.000914
1008.12	0.0186665	0.000666
1008.6	0.0115658	0.000735
1009.09	0.0118091	0.000729
1009.57	0.0134745	0.000504
1010.05	0.0238573	0.000426

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0586106	0.000756
1011.02	0.138561	0.000617
1011.5	0.0409274	0.000479
1011.98	0.0724443	0.000529
1012.46	0.132229	0.000457
1012.94	0.112088	0.00073
1013.43	0.0206682	0.000804
1013.91	0.0046357	0.000577
1014.39	0.0042995	0.000451
1014.87	0.0031278	0.000554
1015.35	0.0025768	0.000508
1015.84	0.0038896	0.000451
1016.32	0.0037004	0.000634
1016.8	0.0018692	0.000523
1017.28	0.0024809	0.000556
1017.77	0.002345	0.000884
1018.25	0.0007694	0.000676
1018.73	0.0025871	0.00073
1019.21	0.0022097	0.000614
1019.69	0.0010487	0.000688
1020.18	0.0021903	0.000363
1020.66	0.0032394	0.00069
1021.14	0.0043482	0.000633
1021.62	0.0057109	0.000674
1022.1	0.005635	0.000659
1022.59	0.0117338	0.000709
1023.07	0.0075433	0.000587
1023.55	0.0061241	0.000764
1024.03	0.0060464	0.00068
1024.52	0.0091074	0.000934
1025	0.0096657	0.000762
1025.48	0.0128757	0.000497
1025.96	0.0293881	0.000644
1026.44	0.0787666	0.000953
1026.93	0.170768	0.000895
1027.41	0.0139409	0.000882
1027.89	0.0086467	0.000521
1028.37	0.0083701	0.000562
1028.85	0.0093247	0.000655
1029.34	0.0181085	0.000784
1029.82	0.0364496	0.0007
1030.3	0.0704654	0.000476
1030.78	0.0230209	0.00048
1031.26	0.0487117	0.000625
1031.75	0.114772	0.000538

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.119973	0.001026
1032.71	0.0740727	0.00047
1033.19	0.170278	0.000789
1033.67	0.160897	0.000631
1034.16	0.227667	0.00152
1034.64	0.0165985	0.000783
1035.12	0.0054994	0.000761
1035.6	0.0029607	0.000626
1036.08	0.0032379	0.00092
1036.57	0.0036611	0.000613
1037.05	0.0038507	0.000714
1037.53	0.0049155	0.000357
1038.01	0.004105	0.000492
1038.49	0.0045496	0.000485
1038.98	0.0033915	0.000867
1039.46	0.0048009	0.000783
1039.94	0.0037721	0.000622
1040.42	0.0049819	0.000689
1040.9	0.005997	0.000821
1041.39	0.0040585	0.000593
1041.87	0.0051978	0.000513
1042.35	0.005762	0.00059
1042.83	0.0078121	0.000793
1043.32	0.0098716	0.000632
1043.8	0.0115366	0.000632
1044.28	0.019402	0.000533
1044.76	0.0272813	0.000435
1045.24	0.0603207	0.000649
1045.73	0.157214	0.000859
1046.21	0.369722	0.001655
1046.69	0.0694446	0.001012
1047.17	0.017896	0.000781
1047.65	0.0103608	0.000276
1048.14	0.010032	0.000734
1048.62	0.0214132	0.000866
1049.1	0.0420402	0.000456
1049.58	0.0147908	0.000906
1050.06	0.0106373	0.000698
1050.55	0.0210562	0.000524
1051.03	0.0425062	0.000778
1051.51	0.067291	0.001018
1051.99	0.028046	0.000551
1052.47	0.0636839	0.000714
1052.96	0.146955	0.001171
1053.44	0.0404473	0.00063

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0708907	0.001096
1054.4	0.0761475	0.000741
1054.88	0.0886032	0.000448
1055.37	0.0089309	0.000823
1055.85	0.0037939	0.000408
1056.33	0.0034292	0.00062
1056.81	0.0034881	0.000762
1057.29	0.003193	0.000912
1057.78	0.0033599	0.000787
1058.26	0.0041673	0.00073
1058.74	0.0055652	0.000605
1059.22	0.0039634	0.000503
1059.71	0.0030511	0.000506
1060.19	0.0035229	0.000765
1060.67	0.0025348	0.000678
1061.15	0.0051762	0.000498
1061.63	0.0044194	0.000762
1062.12	0.0042846	0.000751
1062.6	0.0069656	0.000597
1063.08	0.0118621	0.001009
1063.56	0.0145303	0.000429
1064.04	0.0227108	0.001019
1064.53	0.0558584	0.000871
1065.01	0.145371	0.000466
1065.49	0.287493	0.001371
1065.97	0.029606	0.000679
1066.45	0.0097638	0.000807
1066.94	0.0131423	0.000531
1067.42	0.0297905	0.000846
1067.9	0.0576933	0.000799
1068.38	0.0073431	0.000734
1068.86	0.0057607	0.000448
1069.35	0.0110936	0.000871
1069.83	0.0213441	0.000423
1070.31	0.0441275	0.000702
1070.79	0.0207352	0.00059
1071.27	0.0137042	0.000635
1071.76	0.023281	0.000671
1072.24	0.0401819	0.000391
1072.72	0.0435528	0.000831
1073.2	0.0315901	0.000644
1073.68	0.0645282	0.000475
1074.17	0.104416	0.001146
1074.65	0.046965	0.000446
1075.13	0.107464	0.000549

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.109991	0.000422
1076.09	0.0759804	0.000647
1076.58	0.0084367	0.000579
1077.06	0.0041193	0.000593
1077.54	0.0038471	0.000672
1078.02	0.0038359	0.001082
1078.51	0.0043118	0.000706
1078.99	0.0075641	0.000697
1079.47	0.0054073	0.000458
1079.95	0.0038004	0.000666
1080.43	0.0052877	0.000706
1080.92	0.005616	0.000476
1081.4	0.0055309	0.000918
1081.88	0.0093667	0.000561
1082.36	0.0135168	0.000566
1082.84	0.0195304	0.000704
1083.33	0.0424314	0.0006
1083.81	0.111295	0.000864
1084.29	0.27378	0.001531
1084.77	0.130337	0.000591
1085.25	0.0267541	0.000678
1085.74	0.0213445	0.000771
1086.22	0.026423	0.000661
1086.7	0.00546	0.000512
1087.18	0.0045794	0.00071
1087.66	0.0065084	0.000368
1088.15	0.0097311	0.000679
1088.63	0.0237104	0.000636
1089.11	0.0502182	0.00039
1089.59	0.0137442	0.001005
1090.07	0.005333	0.000484
1090.56	0.0078487	0.000752
1091.04	0.015763	0.000643
1091.52	0.0313737	0.000827
1092	0.0152837	0.000583
1092.48	0.0124478	0.000865
1092.97	0.0192899	0.000688
1093.45	0.0373345	0.000869
1093.93	0.0203756	0.000706
1094.41	0.0316973	0.00081
1094.9	0.0700687	0.000821
1095.38	0.0263611	0.000534
1095.86	0.0422285	0.000816
1096.34	0.0326265	0.000741
1096.82	0.0193851	0.000621

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0060219	0.000777
1097.79	0.00681	0.000924
1098.27	0.0057585	0.000601
1098.75	0.0045263	0.000968
1099.23	0.0046311	0.000839
1099.72	0.0057594	0.000878
1100.2	0.0059179	0.000906
1100.68	0.0066705	0.000479
1101.16	0.0100893	0.000624
1101.64	0.0131565	0.000707
1102.13	0.0263188	0.00055
1102.61	0.0739051	0.000786
1103.09	0.180468	0.000931
1103.57	0.130547	0.000999
1104.05	0.0291427	0.000653
1104.54	0.0134061	0.000974
1105.02	0.00655	0.000494
1105.5	0.0057545	0.000658
1105.98	0.0046305	0.001044
1106.46	0.0042991	0.000514
1106.95	0.0056229	0.000657
1107.43	0.0115758	0.000887
1107.91	0.0142701	0.000607
1108.39	0.0028594	0.000403
1108.87	0.0024355	0.000698
1109.36	0.0038407	0.000632
1109.84	0.0115491	0.000437
1110.32	0.0254127	0.001093
1110.8	0.0216159	0.001023
1111.28	0.0085346	0.000605
1111.77	0.0067917	0.000681
1112.25	0.0119107	0.000824
1112.73	0.0243449	0.000405
1113.21	0.00602	0.000243
1113.7	0.0073547	0.000559
1114.18	0.0135106	0.000368
1114.66	0.0255191	0.00054
1115.14	0.0121201	0.000572
1115.62	0.0255347	0.000788
1116.11	0.0340599	0.000857
1116.59	0.0281187	0.000733
1117.07	0.0383355	0.000467
1117.55	0.0564628	0.000642
1118.03	0.005062	0.000683
1118.52	0.0037339	0.000631

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0046129	0.000727
1119.48	0.0080178	0.000491
1119.96	0.0080874	0.000697
1120.44	0.0146154	0.000819
1120.93	0.0323028	0.000552
1121.41	0.0893323	0.000912
1121.89	0.217263	0.000733
1122.37	0.0484189	0.00065
1122.85	0.0104379	0.000765
1123.34	0.0054963	0.000453
1123.82	0.0045075	0.000454
1124.3	0.0042333	0.000933
1124.78	0.0042968	0.00052
1125.26	0.0068301	0.000759
1125.75	0.011455	0.00065
1126.23	0.0057668	0.000402
1126.71	0.0023947	0.000502
1127.19	0.0019603	0.000748
1127.67	0.002113	0.001069
1128.16	0.0023776	0.000771
1128.64	0.0054651	0.000741
1129.12	0.0123672	0.000657
1129.6	0.0020312	0.000689
1130.09	0.003379	0.000569
1130.57	0.0037632	0.000553
1131.05	0.008439	0.000435
1131.53	0.0177252	0.000789
1132.01	0.0117615	0.000829
1132.5	0.0043519	0.000395
1132.98	0.0050309	0.00087
1133.46	0.0084086	0.000608
1133.94	0.0127271	0.000661
1134.42	0.0040984	0.000573
1134.91	0.0065044	0.000769
1135.39	0.0142812	0.000499
1135.87	0.0052493	0.000389
1136.35	0.013164	0.00058
1136.83	0.0188835	0.000573
1137.32	0.0160288	0.000553
1137.8	0.0147931	0.000586
1138.28	0.0094951	0.000662
1138.76	0.0110796	0.00057
1139.24	0.0176552	0.000768
1139.73	0.0393132	0.000433
1140.21	0.0886472	0.000631

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0967251	0.000808
1141.17	0.0105479	0.00078
1141.65	0.0044125	0.000537
1142.14	0.0032554	0.000674
1142.62	0.0014505	0.000411
1143.1	0.0038493	0.000465
1143.58	0.0073774	0.000659
1144.06	0.0033953	0.00053
1144.55	0.0021181	0.000399
1145.03	0.002045	0.000459
1145.51	0.0011385	0.000575
1145.99	0.0032545	0.000435
1146.48	0.0032612	0.000465
1146.96	0.0051873	0.000587
1147.44	0.0082485	0.00023
1147.92	0.0030134	0.000698
1148.4	0.0013671	0.000613
1148.89	0.0007955	0.000608
1149.37	0.0025204	0.000582
1149.85	0.0022306	0.000405
1150.33	0.0047889	0.000358
1150.81	0.0020054	0.000491
1151.3	0.0016565	0.000443
1151.78	0.0030158	0.000582
1152.26	0.0067508	0.000507
1152.74	0.0127239	0.00059
1153.22	0.00327	0.000534
1153.71	0.0032945	0.000401
1154.19	0.0046718	0.000681
1154.67	0.0080997	0.00041
1155.15	0.0040253	0.00049
1155.63	0.0044521	0.000592
1156.12	0.0111032	0.000348
1156.6	0.0085822	0.000432
1157.08	0.0138221	0.000556
1157.56	0.0142456	0.000707
1158.04	0.0365625	0.000523
1158.53	0.0793215	0.000902
1159.01	0.0834404	0.000786
1159.49	0.0084298	0.000778
1159.97	0.0030241	0.00072
1160.45	0.0030337	0.000561
1160.94	0.0024803	0.000553
1161.42	0.0034126	0.000482
1161.9	0.0006469	0.000547

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0009238	0.000455
1162.86	0.0007885	0.000303
1163.35	-0.000527	0.000644
1163.83	0.0000866	0.000348
1164.31	0.0017654	0.000398
1164.79	0.0027944	0.000414
1165.28	0.0062502	0.000459
1165.76	0.0020442	0.00035
1166.24	0.0024126	0.000469
1166.72	0.0029926	0.000518
1167.2	0.0011685	0.00059
1167.69	0.0016201	0.000556
1168.17	0.0021759	0.000616
1168.65	0.0033799	0.000515
1169.13	0.001117	0.000484
1169.61	0.0002836	0.000469
1170.1	0.000261	0.000486
1170.58	0.0010827	0.000721
1171.06	0.0025448	0.000543
1171.54	0.0019538	0.000508
1172.02	0.0010655	0.000397
1172.51	0.002399	0.000453
1172.99	0.006021	0.000574
1173.47	0.0079385	0.000471
1173.95	0.0038453	0.000569
1174.43	0.0047918	0.000394
1174.92	0.0038218	0.000518
1175.4	0.006004	0.000254
1175.88	0.0102313	0.000539
1176.36	0.0254216	0.000654
1176.84	0.0537872	0.000499
1177.33	0.0135422	0.000303
1177.81	0.0027293	0.000414
1178.29	0.0042661	0.00023
1178.77	0.0031137	0.000563
1179.25	0.0010887	0.000392
1179.74	0.0023314	0.000487
1180.22	0.0021305	0.000563
1180.7	0.0023398	0.00056
1181.18	0.0021497	0.000438
1181.67	0.0010614	0.000853
1182.15	0.0000149	0.000276
1182.63	0.0013505	0.000311
1183.11	0.0015089	0.000258
1183.59	0.0000965	0.000744

Ammonia

0.76 Mole %

A09NH3

D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	-0.000577	0.000338
1184.56	0.0000916	0.000447
1185.04	-0.000192	0.000528
1185.52	0.0011047	0.000389
1186	0.0023316	0.000379
1186.49	0.0037931	0.000525
1186.97	0.0048659	0.000483
1187.45	0.0018379	0.000672
1187.93	0.0018226	0.000558
1188.41	0.0012323	0.000484
1188.9	0.0016986	0.000475
1189.38	0.0009209	0.000746
1189.86	0.0015864	0.000396
1190.34	0.0002441	0.00056
1190.82	0.0002635	0.000495
1191.31	0.0010315	0.000597
1191.79	0.0016369	0.000343
1192.27	0.0007557	0.000433
1192.75	0.0027562	0.000415
1193.23	0.0038187	0.000648
1193.72	0.0057443	0.000332
1194.2	0.0108914	0.000468
1194.68	0.0243127	0.000553
1195.16	0.0167322	0.000444
1195.64	0.0044452	0.000298
1196.13	0.001565	0.000527
1196.61	0.0019221	0.00052
1197.09	0.0008312	0.000466
1197.57	0.002413	0.000532
1198.06	0.0022453	0.000415
1198.54	0.0021685	0.000282
1199.02	0.0003533	0.000584
1199.5	0.0001666	0.00058
1199.98	0.0020969	0.00044
1200.47	0.0022328	0.000471
1200.95	0.0015794	0.000548
1201.43	0.0019038	0.000536
1201.91	0.0018017	0.000528
1202.39	0.0015251	0.000268
1202.88	0.0010266	0.000387
1203.36	0.000626	0.000511
1203.84	0.0003857	0.000336
1204.32	0.0003921	0.000385
1204.8	-0.000286	0.00048
1205.29	-0.000336	0.000367

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0012926	0.000525
1206.25	0.0011858	0.000391
1206.73	0.0017418	0.000693
1207.21	0.0022066	0.000549
1207.7	0.0016256	0.000366
1208.18	0.0024676	0.000397
1208.66	0.0016356	0.000315
1209.14	0.0015568	0.000712
1209.62	0.0004915	0.000655
1210.11	0.0007723	0.000374
1210.59	0.0006564	0.000294
1211.07	0.0010617	0.000536
1211.55	0.0030206	0.000539
1212.03	0.006677	0.000625
1212.52	0.0115171	0.000458
1213	0.0046407	0.000446
1213.48	0.0032487	0.000309
1213.96	0.0015803	0.000608
1214.45	0.0016272	0.000445
1214.93	0.0012222	0.00037
1215.41	0.0018145	0.00035
1215.89	0.0019853	0.000465
1216.37	0.0011471	0.00025
1216.86	0.0010692	0.000396
1217.34	0.0010103	0.000346
1217.82	0.0000895	0.000387
1218.3	0.0006552	0.000441
1218.78	0.0003309	0.000353
1219.27	-8.42E-05	0.000561
1219.75	0.0011716	0.000559
1220.23	-0.000124	0.000515
1220.71	0.0014782	0.000447
1221.19	0.0021924	0.000512
1221.68	0.0020029	0.000554
1222.16	0.0014554	0.000501
1222.64	0.0023371	0.000382
1223.12	0.0013861	0.000395
1223.6	0.0008462	0.000479
1224.09	0.0002504	0.000473
1224.57	0.0014469	0.00053
1225.05	0.0015756	0.000426
1225.53	0.0009158	0.000262
1226.01	0.0005284	0.000382
1226.5	0.0005914	0.000515
1226.98	0.001155	0.000431

Ammonia

0.76 Mole %

A09NH3

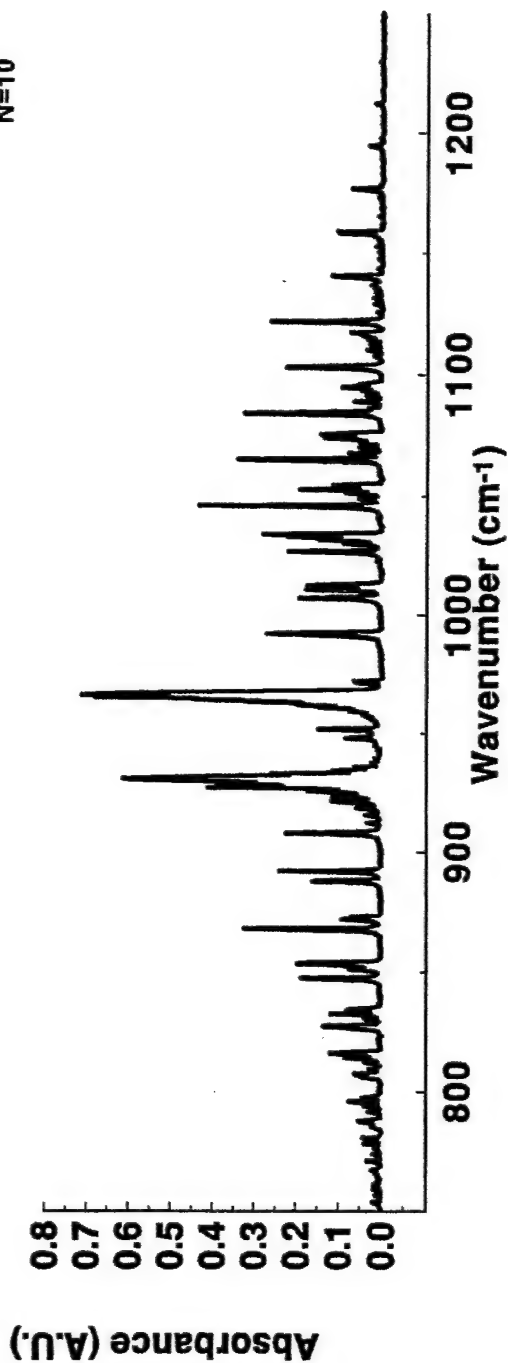
D09NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0017907	0.000249
1227.94	0.0024423	0.000516
1228.42	0.0032742	0.000398
1228.91	0.0017455	0.000439
1229.39	0.0024636	0.000423
1229.87	0.0050642	0.000335
1230.35	0.0040954	0.00064
1230.83	0.0016307	0.000368
1231.32	0.0009894	0.000424
1231.8	0.0002531	0.000415
1232.28	0.0001439	0.000408
1232.76	0.0007822	0.000446
1233.25	0.0009473	0.000522
1233.73	0.0011442	0.00039
1234.21	0.0006989	0.000422
1234.69	0.0012851	0.000465
1235.17	0.002262	0.000401
1235.66	0.0025208	0.000347
1236.14	0.0026725	0.000455
1236.62	0.0017914	0.000393
1237.1	0.0013056	0.000629
1237.58	0.000448	0.000443
1238.07	0.000095	0.000387
1238.55	0.000963	0.000356
1239.03	0.0005266	0.000482
1239.51	0.0009909	0.00038
1239.99	0.0013883	0.000431
1240.48	0.001289	0.000474
1240.96	0.0011098	0.0002
1241.44	0.0012253	0.000512
1241.92	0.0022188	0.000316
1242.4	0.0019892	0.000386
1242.89	0.0021267	0.000495
1243.37	0.0015451	0.000424
1243.85	0.0024701	0.000306
1244.33	0.0005267	0.000435
1244.81	0.000824	0.00036
1245.3	0.0004089	0.000487
1245.78	0.0006741	0.000315
1246.26	0.0007133	0.000236
1246.74	0.0013272	0.00046
1247.22	0.0022026	0.000323
1247.71	0.0020974	0.000479
1248.19	0.0015672	0.000524
1248.67	0.0013207	0.000509

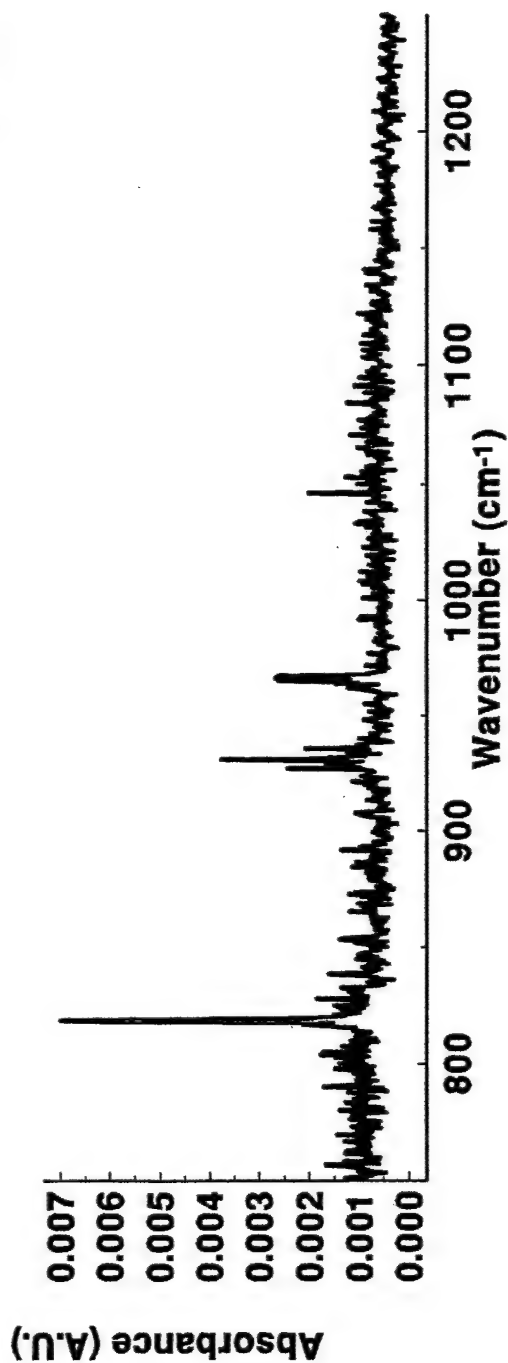
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0007412	0.000631
1249.63	0.0012616	0.000607
1250.12	0.0013376	0.000326

1.033 Mole %

A10NH3
N=10



D10NH3



Ammonia

1.033 Mole %

A10NH3
D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0021135	0.000865
750.677	0.0003734	0.001286
751.159	0.0011978	0.001231
751.641	0.0038415	0.000748
752.123	0.0046274	0.000825
752.605	0.0063637	0.00069
753.087	0.0085089	0.000469
753.57	0.017095	0.001017
754.052	0.0022316	0.000781
754.534	0.0029152	0.000891
755.016	0.001653	0.000981
755.498	0.0053766	0.001149
755.98	0.0010753	0.001302
756.462	0.0107986	0.001654
756.944	0.0015065	0.000607
757.426	0.0017599	0.000753
757.909	0.0016301	0.001297
758.391	0.0083707	0.000623
758.873	0.0159734	0.000721
759.355	0.0036486	0.000582
759.837	0.0060518	0.000866
760.319	0.0147249	0.000833
760.801	0.0155149	0.000765
761.283	0.0047874	0.001271
761.766	0.0113393	0.000776
762.248	0.0049946	0.001267
762.73	0.0060338	0.001237
763.212	0.001574	0.00103
763.694	0.0045887	0.000854
764.176	0.0073722	0.000778
764.658	0.0077904	0.001033
765.14	0.0076438	0.000793
765.622	0.0107594	0.00079
766.105	0.012542	0.00098
766.587	0.0122296	0.001293
767.069	0.0188596	0.000827
767.551	0.0125526	0.000992
768.033	0.0085124	0.000732
768.515	0.0003562	0.000988
768.997	0.003695	0.001012
769.479	0.0014903	0.00143
769.961	0.002103	0.000808
770.444	0.0107353	0.000741
770.926	0.0304614	0.000985
771.408	0.0029537	0.001048

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0024996	0.000667
772.372	0.004593	0.000564
772.854	0.0068376	0.001145
773.336	0.009674	0.000622
773.818	0.0169014	0.001026
774.301	0.0026911	0.000698
774.783	0.0051037	0.00084
775.265	0.0058367	0.000573
775.747	0.0061298	0.000941
776.229	0.0146033	0.001183
776.711	0.0063641	0.000903
777.193	0.0066556	0.001133
777.675	0.0136032	0.001137
778.157	0.0373963	0.000937
778.64	0.0051101	0.000714
779.122	0.013732	0.000455
779.604	0.0308114	0.000908
780.086	0.0323459	0.001379
780.568	0.0395539	0.000952
781.05	0.0054083	0.000527
781.532	0.0039889	0.000655
782.014	0.0020506	0.001102
782.497	0.0000152	0.000913
782.979	-0.000811	0.00111
783.461	0.0008587	0.001265
783.943	0.003531	0.000849
784.425	0.0034795	0.000947
784.907	0.0141695	0.001103
785.389	0.0214796	0.000614
785.871	0.0200125	0.000685
786.353	0.0165466	0.00102
786.836	0.0219225	0.000982
787.318	0.0370079	0.001011
787.8	0.0493415	0.001225
788.282	0.0358155	0.000436
788.764	0.0073533	0.000742
789.246	0.0013523	0.000609
789.728	0.0039639	0.000531
790.21	0.0017332	0.001702
790.692	0.0035198	0.001284
791.175	0.0103616	0.0008
791.657	0.0279919	0.000843
792.139	0.004797	0.000925
792.621	0.0007415	0.000639
793.103	0.0033337	0.001068

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0133621	0.000848
794.067	0.037558	0.000918
794.549	0.0071081	0.000836
795.032	0.0083362	0.001036
795.514	0.0265097	0.000701
795.996	0.0713562	0.001114
796.478	0.0072576	0.001022
796.96	0.0144004	0.000738
797.442	0.0418145	0.001144
797.924	0.0282525	0.001481
798.406	0.0129078	0.001236
798.888	0.0054895	0.000699
799.371	0.0040769	0.001179
799.853	0.0015199	0.000851
800.335	0.0053799	0.001397
800.817	0.0039049	0.00118
801.299	0.0009445	0.001003
801.781	0.0043914	0.000935
802.263	0.0032153	0.000925
802.745	0.0011717	0.001481
803.227	-0.000105	0.000818
803.71	0.001265	0.00099
804.192	0.0039839	0.001757
804.674	0.0031896	0.000922
805.156	0.0057564	0.001704
805.638	0.0247492	0.000813
806.12	0.0444496	0.000836
806.602	0.0367871	0.000947
807.084	0.0507616	0.001103
807.567	0.0598984	0.001344
808.049	0.0138609	0.000969
808.531	0.0091992	0.00082
809.013	0.0127335	0.001079
809.495	0.0270863	0.00062
809.977	0.0073353	0.001173
810.459	0.0068065	0.00107
810.941	0.0035997	0.000666
811.423	0.0060266	0.000972
811.906	0.0265243	0.001076
812.388	0.0364617	0.000844
812.87	0.009943	0.000866
813.352	0.015276	0.000769
813.834	0.0535166	0.000971
814.316	0.0837144	0.001123
814.798	0.0263877	0.001072

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0520183	0.001081
815.762	0.0566583	0.00141
816.245	0.118135	0.001649
816.727	0.0819773	0.002122
817.209	0.0093376	0.001886
817.691	0.002314	0.001525
818.173	0.0006086	0.005917
818.655	0.0025479	0.00698
819.137	0.002848	0.005328
819.619	0.0023932	0.002697
820.102	0.0025035	0.001533
820.584	0.0058347	0.001299
821.066	0.003158	0.001524
821.548	0.0027065	0.001078
822.03	0.0062586	0.000994
822.512	0.0053133	0.001111
822.994	0.0017562	0.001064
823.476	-0.0003022	0.00138
823.959	0.0034633	0.000909
824.441	0.0054837	0.001322
824.923	0.004203	0.001492
825.405	0.0091331	0.000841
825.887	0.0219503	0.001016
826.369	0.0613599	0.001073
826.851	0.079267	0.000854
827.333	0.134571	0.00128
827.816	0.118311	0.001842
828.298	0.0109903	0.000836
828.78	0.0101126	0.000832
829.262	0.0056146	0.000974
829.744	0.0067733	0.000957
830.226	0.0226734	0.001163
830.708	0.0388461	0.001217
831.19	0.0106388	0.001082
831.672	0.01637	0.000928
832.155	0.0533004	0.001232
832.637	0.116367	0.001354
833.119	0.0226492	0.000599
833.601	0.0455232	0.000542
834.083	0.0794087	0.000498
834.565	0.0724801	0.000626
835.047	0.0259777	0.000836
835.529	0.010108	0.000764
836.011	0.0043749	0.000306
836.494	0.0036535	0.000623

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0043303	0.000634
837.458	0.001357	0.000812
837.94	0.0011191	0.000932
838.422	0.0013758	0.001593
838.904	0.0034607	0.001146
839.386	0.0022325	0.000712
839.868	0.0001596	0.000598
840.351	0.0028149	0.000554
840.833	0.0047935	0.000697
841.315	0.0030803	0.000941
841.797	0.0051011	0.000765
842.279	0.0064007	0.000844
842.761	0.0049578	0.000417
843.243	0.0044175	0.000629
843.725	0.0042637	0.000688
844.207	0.002937	0.000516
844.69	0.0043417	0.001054
845.172	0.0071371	0.000655
845.654	0.0116063	0.000632
846.136	0.0178093	0.000836
846.618	0.0439987	0.001017
847.1	0.12662	0.000991
847.582	0.185784	0.000954
848.064	0.0307371	0.000698
848.546	0.0131373	0.000571
849.029	0.0130988	0.000574
849.511	0.010354	0.000764
849.993	0.0127287	0.000445
850.475	0.0263168	0.00057
850.957	0.0720825	0.000786
851.439	0.0755345	0.000932
851.921	0.0384798	0.001091
852.403	0.0820762	0.000448
852.886	0.0943518	0.001198
853.368	0.196051	0.001381
853.85	0.168304	0.001272
854.332	0.0186368	0.000881
854.814	0.008728	0.000619
855.296	0.0055064	0.000669
855.778	0.0030491	0.000467
856.26	0.0007444	0.00055
856.742	0.0023753	0.000449
857.225	0.003293	0.000425
857.707	0.0020445	0.000681
858.189	0.0015079	0.000675

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.001478	0.000627
859.153	0.0019199	0.00055
859.635	0.0013054	0.000696
860.117	0.0013208	0.00073
860.599	0.0022281	0.000494
861.081	0.0025587	0.000473
861.564	0.0042339	0.000652
862.046	0.0029021	0.000749
862.528	0.0040791	0.000424
863.01	0.0036388	0.000754
863.492	0.0043996	0.000751
863.974	0.0033847	0.000668
864.456	0.0023917	0.000786
864.938	0.0057491	0.000673
865.421	0.0120229	0.001183
865.903	0.0121369	0.000697
866.385	0.0235764	0.000686
866.867	0.0570627	0.000789
867.349	0.192371	0.000758
867.831	0.322997	0.00097
868.313	0.0341945	0.00037
868.795	0.0155975	0.001017
869.277	0.0086561	0.000661
869.76	0.0074461	0.000597
870.242	0.0098292	0.000803
870.724	0.015714	0.000386
871.206	0.0377084	0.000541
871.688	0.0915428	0.000953
872.17	0.0619828	0.000795
872.652	0.0699314	0.001197
873.134	0.0088011	0.000437
873.617	0.0042657	0.001085
874.099	0.0025234	0.000523
874.581	0.0005726	0.000329
875.063	0.0021535	0.000308
875.545	0.0025777	0.000567
876.027	0.0023949	0.000654
876.509	0.0015808	0.000374
876.991	0.0026196	0.00053
877.474	0.00359	0.00048
877.956	0.0015875	0.00054
878.438	0.0022407	0.000578
878.92	0.0001909	0.000782
879.402	0.0013431	0.000743
879.884	0.0008726	0.000803

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0019646	0.000543
880.848	0.0006639	0.00069
881.33	0.0009906	0.000509
881.813	0.0047589	0.000859
882.295	0.0032188	0.000858
882.777	0.0020486	0.00063
883.259	0.0034365	0.000461
883.741	0.0055237	0.000475
884.223	0.0029549	0.000578
884.705	0.0035956	0.00114
885.187	0.0054423	0.000675
885.669	0.0089662	0.000734
886.152	0.0117166	0.000911
886.634	0.0192781	0.001068
887.116	0.0548386	0.000461
887.598	0.159539	0.00079
888.08	0.155924	0.000487
888.562	0.0204313	0.000751
889.044	0.0084281	0.000763
889.526	0.0091836	0.000695
890.009	0.012682	0.000551
890.491	0.0170183	0.00039
890.973	0.0296547	0.000637
891.455	0.0966718	0.000394
891.937	0.237951	0.001355
892.419	0.0439799	0.000783
892.901	0.0093553	0.000992
893.383	0.0054457	0.000903
893.865	0.0032056	0.0006
894.348	0.0015357	0.00049
894.83	0.0012563	0.000643
895.312	0.002196	0.000711
895.794	0.0039357	0.000604
896.276	0.0028048	0.000378
896.758	0.0024601	0.000513
897.24	0.0017913	0.000362
897.722	0.0015527	0.000447
898.204	0.0023555	0.000628
898.687	0.0025056	0.000585
899.169	-0.0002515	0.000424
899.651	0.0007127	0.000725
900.133	0.0034674	0.000623
900.615	0.0025584	0.000609
901.097	0.0007031	0.000665
901.579	0.0031188	0.000411

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0043279	0.000458
902.544	0.0027373	0.00062
903.026	0.004112	0.000243
903.508	0.0046971	0.000438
903.99	0.0055894	0.000612
904.472	0.0069938	0.000481
904.954	0.00783	0.000524
905.436	0.0076713	0.0004
905.918	0.0110041	0.000749
906.4	0.0175944	0.000876
906.883	0.0260647	0.000984
907.365	0.0707371	0.00088
907.847	0.222103	0.001069
908.329	0.144242	0.000806
908.811	0.0290295	0.000338
909.293	0.0113794	0.000633
909.775	0.0092071	0.000538
910.257	0.0082299	0.000469
910.739	0.0049385	0.000585
911.222	0.0052675	0.000455
911.704	0.0137139	0.000411
912.186	0.0309803	0.000594
912.668	0.0070025	0.00056
913.15	0.0059934	0.000846
913.632	0.0047074	0.000561
914.114	0.0062213	0.000548
914.596	0.0069101	0.000705
915.079	0.0158451	0.000658
915.561	0.0358498	0.000483
916.043	0.0126559	0.0006
916.525	0.0134421	0.000415
917.007	0.0093501	0.000718
917.489	0.0122558	0.000565
917.971	0.0254225	0.00041
918.453	0.0577752	0.000822
918.935	0.01816	0.00065
919.418	0.0168922	0.000661
919.9	0.020062	0.000904
920.382	0.0367855	0.000673
920.864	0.0936988	0.000798
921.346	0.115928	0.001133
921.828	0.0460541	0.000625
922.31	0.0309444	0.000781
922.792	0.0487379	0.000449
923.275	0.114838	0.000727

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.104814	0.000974
924.239	0.0557087	0.0008
924.721	0.0610351	0.000777
925.203	0.12472	0.000808
925.685	0.172457	0.000706
926.167	0.10002	0.000806
926.649	0.168591	0.000913
927.132	0.411774	0.002425
927.614	0.229009	0.000971
928.096	0.244458	0.001306
928.578	0.391282	0.00168
929.06	0.337772	0.001195
929.542	0.297283	0.001164
930.024	0.4603	0.000934
930.506	0.594616	0.002109
930.988	0.610313	0.003756
931.471	0.526603	0.00141
931.953	0.384086	0.001618
932.435	0.217575	0.000891
932.917	0.259314	0.000977
933.399	0.0757968	0.000587
933.881	0.11073	0.001251
934.363	0.114024	0.000984
934.845	0.0382337	0.000789
935.328	0.0490393	0.000813
935.81	0.0614607	0.002072
936.292	0.0145544	0.001128
936.774	0.0168257	0.00086
937.256	0.0229011	0.001057
937.738	0.015736	0.001003
938.22	0.0099068	0.000627
938.702	0.0125703	0.000349
939.184	0.0140328	0.000477
939.667	0.0068092	0.000622
940.149	0.006575	0.000998
940.631	0.0066241	0.000663
941.113	0.005492	0.000761
941.595	0.004105	0.000627
942.077	0.0050046	0.000766
942.559	0.0078837	0.000579
943.041	0.0056069	0.000608
943.523	0.0043832	0.000417
944.006	0.0086706	0.000559
944.488	0.0109266	0.000539
944.97	0.0150442	0.000689

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0134574	0.000616
945.934	0.0146296	0.00037
946.416	0.0164603	0.000587
946.898	0.0171821	0.000682
947.38	0.031579	0.000734
947.863	0.0825125	0.000781
948.345	0.0783302	0.000902
948.827	0.0233691	0.000722
949.309	0.0311962	0.000426
949.791	0.0211354	0.000588
950.273	0.0234146	0.000657
950.755	0.0291499	0.000417
951.237	0.071277	0.000487
951.719	0.146982	0.000797
952.202	0.0201976	0.000349
952.684	0.0141827	0.000433
953.166	0.0100006	0.000502
953.648	0.0095781	0.000663
954.13	0.0148008	0.000521
954.612	0.0147978	0.000728
955.094	0.0132678	0.000888
955.576	0.0166568	0.00059
956.058	0.0273225	0.000586
956.541	0.0215127	0.000597
957.023	0.023908	0.000674
957.505	0.0411403	0.000452
957.987	0.0445784	0.000604
958.469	0.0349472	0.000586
958.951	0.0503337	0.000266
959.433	0.0744534	0.000627
959.915	0.0656963	0.000584
960.398	0.0836946	0.00073
960.88	0.146608	0.000935
961.362	0.107955	0.000826
961.844	0.184258	0.001232
962.326	0.201931	0.000809
962.808	0.187663	0.00087
963.29	0.313632	0.000622
963.772	0.288223	0.001483
964.254	0.442957	0.001034
964.737	0.437938	0.002059
965.219	0.678441	0.002632
965.701	0.508507	0.001202
966.183	0.708695	0.002683
966.665	0.662761	0.001964

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.587555	0.002623
967.629	0.339705	0.000811
968.111	0.0876029	0.00084
968.594	0.0207371	0.000683
969.076	0.0110333	0.000492
969.558	0.0087599	0.000524
970.04	0.0086473	0.000479
970.522	0.010978	0.000421
971.004	0.0235093	0.000589
971.486	0.059442	0.000869
971.968	0.0638266	0.000518
972.45	0.007353	0.000462
972.933	0.0027799	0.000468
973.415	-0.0011971	0.000623
973.897	0.0001577	0.000452
974.379	0.0006172	0.000521
974.861	-0.0011811	0.000556
975.343	-0.0022434	0.00048
975.825	0.0004545	0.000495
976.307	0.0002143	0.000587
976.79	0.0012838	0.000812
977.272	0.0008426	0.000453
977.754	0.0001316	0.000521
978.236	0.0007588	0.000439
978.718	0.0021608	0.000444
979.2	0.0014887	0.000235
979.682	0.0012283	0.000311
980.164	0.0017014	0.000441
980.646	0.002524	0.000614
981.129	0.0000535	0.000498
981.611	-0.0006912	0.000495
982.093	0.0015194	0.00069
982.575	0.0024221	0.000634
983.057	0.0009018	0.000661
983.539	0.0006988	0.000486
984.021	0.0025741	0.000358
984.503	0.0032799	0.000457
984.986	0.0030624	0.000455
985.468	0.0027937	0.000616
985.95	0.0050668	0.000446
986.432	0.0054724	0.00048
986.914	0.0061432	0.000545
987.396	0.008523	0.000519
987.878	0.008856	0.000609
988.36	0.0081629	0.000537

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0081378	0.000677
989.325	0.0080095	0.000671
989.807	0.010679	0.000461
990.289	0.0196361	0.000398
990.771	0.0405667	0.000581
991.253	0.0909643	0.000436
991.735	0.175771	0.001005
992.217	0.2687	0.000493
992.699	0.240351	0.000966
993.181	0.0229137	0.000472
993.664	0.0055818	0.00053
994.146	0.002986	0.000605
994.628	0.0007332	0.000541
995.11	0.0018019	0.000604
995.592	0.0020576	0.000468
996.074	0.0020344	0.000509
996.556	0.0020765	0.000614
997.038	0.0027801	0.00039
997.521	0.0033391	0.000389
998.003	0.0020467	0.000379
998.485	0.0034128	0.000373
998.967	0.0048589	0.000569
999.449	0.003053	0.000468
999.931	0.0035875	0.000556
1000.41	0.0044336	0.000477
1000.89	0.0028011	0.000925
1001.37	0.0027584	0.000439
1001.86	0.0034829	0.000643
1002.34	0.0051863	0.000636
1002.82	0.0045811	0.000727
1003.3	0.0048908	0.000518
1003.78	0.0063896	0.000337
1004.27	0.0096585	0.000476
1004.75	0.0110804	0.000534
1005.23	0.0151611	0.000733
1005.71	0.0221185	0.000471
1006.19	0.0333404	0.000574
1006.68	0.0751704	0.000518
1007.16	0.19294	0.000925
1007.64	0.15882	0.00069
1008.12	0.0229643	0.000569
1008.6	0.0137132	0.00099
1009.09	0.0124625	0.000557
1009.57	0.0142383	0.000437
1010.05	0.029018	0.00064

Ammonia

1.033 Mole %

A10NH3
D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0762588	0.000842
1011.02	0.176934	0.000811
1011.5	0.0546096	0.000394
1011.98	0.0946983	0.00053
1012.46	0.174146	0.00098
1012.94	0.146888	0.000523
1013.43	0.029893	0.000426
1013.91	0.0079414	0.000408
1014.39	0.0032021	0.000456
1014.87	0.0024691	0.000724
1015.35	0.00117	0.000805
1015.84	0.0010093	0.000536
1016.32	0.0015969	0.000701
1016.8	0.0035803	0.000721
1017.28	0.0007548	0.000506
1017.77	-0.0002946	0.000312
1018.25	0.001927	0.000739
1018.73	0.0022229	0.000655
1019.21	0.0012998	0.00067
1019.69	0.0027629	0.000849
1020.18	0.0053335	0.000539
1020.66	0.0057368	0.000342
1021.14	0.0055464	0.000313
1021.62	0.0056765	0.000452
1022.1	0.0059774	0.000487
1022.59	0.0124065	0.000722
1023.07	0.0081311	0.000912
1023.55	0.0048201	0.000637
1024.03	0.0067866	0.00056
1024.52	0.0104952	0.000742
1025	0.0128307	0.000673
1025.48	0.0180582	0.00054
1025.96	0.0363831	0.000268
1026.44	0.101421	0.000541
1026.93	0.218572	0.000815
1027.41	0.0217901	0.000512
1027.89	0.0116549	0.000715
1028.37	0.0106751	0.000357
1028.85	0.0122234	0.000736
1029.34	0.0203802	0.000701
1029.82	0.0467245	0.000687
1030.3	0.0901128	0.000598
1030.78	0.028995	0.000681
1031.26	0.061979	0.000688
1031.75	0.145878	0.000876

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.152673	0.00054
1032.71	0.0976859	0.000546
1033.19	0.221647	0.001079
1033.67	0.206174	0.000592
1034.16	0.279506	0.001007
1034.64	0.0241839	0.000796
1035.12	0.0084293	0.000547
1035.6	0.0025838	0.000651
1036.08	0.001473	0.000652
1036.57	0.0023888	0.00066
1037.05	0.0017291	0.000769
1037.53	-0.0000516	0.000692
1038.01	0.0035892	0.0007
1038.49	0.0052095	0.000898
1038.98	0.0059084	0.000274
1039.46	0.0058577	0.000422
1039.94	0.0059555	0.000421
1040.42	0.0085424	0.000527
1040.9	0.0098536	0.00059
1041.39	0.0045479	0.000368
1041.87	0.0055202	0.000414
1042.35	0.0068704	0.000851
1042.83	0.0097291	0.000689
1043.32	0.0103	0.000616
1043.8	0.0133198	0.000715
1044.28	0.0210748	0.000604
1044.76	0.0331402	0.000496
1045.24	0.0719753	0.000679
1045.73	0.189415	0.000941
1046.21	0.43391	0.002021
1046.69	0.0964852	0.000908
1047.17	0.0257441	0.000571
1047.65	0.0145338	0.000802
1048.14	0.0164105	0.000406
1048.62	0.0278487	0.000609
1049.1	0.054911	0.000769
1049.58	0.0181588	0.000589
1050.06	0.0123406	0.001046
1050.55	0.0236228	0.000862
1051.03	0.0520574	0.00077
1051.51	0.0857094	0.000496
1051.99	0.0352523	0.000601
1052.47	0.0813891	0.000752
1052.96	0.191472	0.001285
1053.44	0.0534917	0.000675

Ammonia

1.033 Mole %

A10NH3
D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0973486	0.000639
1054.4	0.102268	0.00093
1054.88	0.114424	0.000508
1055.37	0.0122232	0.000964
1055.85	0.0046263	0.000292
1056.33	0.0053621	0.000665
1056.81	0.0028073	0.000731
1057.29	0.0006596	0.000864
1057.78	0.0016296	0.000792
1058.26	0.0031202	0.000599
1058.74	0.0067652	0.00054
1059.22	0.0037433	0.000563
1059.71	0.0042817	0.000622
1060.19	0.0079737	0.000535
1060.67	0.0061212	0.000378
1061.15	0.0060557	0.000634
1061.63	0.0064069	0.000692
1062.12	0.008145	0.000477
1062.6	0.0090998	0.000837
1063.08	0.0127909	0.000844
1063.56	0.0157751	0.000428
1064.04	0.0279403	0.000876
1064.53	0.0667917	0.000835
1065.01	0.175148	0.000822
1065.49	0.340495	0.001035
1065.97	0.0434434	0.000835
1066.45	0.0163841	0.000623
1066.94	0.0199456	0.000357
1067.42	0.0406552	0.000659
1067.9	0.0781341	0.000859
1068.38	0.0101211	0.000624
1068.86	0.0095789	0.000459
1069.35	0.0120744	0.000596
1069.83	0.0260068	0.000756
1070.31	0.0547442	0.000783
1070.79	0.0253208	0.001184
1071.27	0.014564	0.000773
1071.76	0.0262807	0.000646
1072.24	0.0523741	0.000633
1072.72	0.0551287	0.00074
1073.2	0.0379428	0.0007
1073.68	0.0836011	0.000958
1074.17	0.134983	0.000744
1074.65	0.0642852	0.000436
1075.13	0.139349	0.000794

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.14407	0.000876
1076.09	0.0952318	0.00076
1076.58	0.0097228	0.000544
1077.06	0.0024492	0.001015
1077.54	0.0009405	0.000804
1078.02	0.0013813	0.000753
1078.51	0.0051294	0.000779
1078.99	0.0064402	0.000495
1079.47	0.0046464	0.000684
1079.95	0.0058639	0.000716
1080.43	0.0074024	0.000542
1080.92	0.006793	0.000499
1081.4	0.0077451	0.000561
1081.88	0.0125281	0.000576
1082.36	0.018572	0.000598
1082.84	0.0252495	0.000738
1083.33	0.0509616	0.000642
1083.81	0.132459	0.000679
1084.29	0.325762	0.001259
1084.77	0.157114	0.000745
1085.25	0.0335672	0.000764
1085.74	0.0262987	0.000436
1086.22	0.0331111	0.000724
1086.7	0.0091741	0.000445
1087.18	0.0088445	0.000435
1087.66	0.0074031	0.000603
1088.15	0.0134966	0.000371
1088.63	0.0328774	0.0009
1089.11	0.0644882	0.000529
1089.59	0.0189655	0.000332
1090.07	0.0067917	0.000415
1090.56	0.0076614	0.000483
1091.04	0.017352	0.000785
1091.52	0.0376885	0.001095
1092	0.0175985	0.000726
1092.48	0.0130677	0.000772
1092.97	0.02339	0.000341
1093.45	0.0484085	0.000501
1093.93	0.026761	0.000575
1094.41	0.0426071	0.000696
1094.9	0.0931242	0.001002
1095.38	0.0350611	0.000701
1095.86	0.0580837	0.000485
1096.34	0.041817	0.00069
1096.82	0.0238821	0.000765

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.005758	0.000839
1097.79	0.0041478	0.000738
1098.27	0.0050454	0.000618
1098.75	0.003896	0.000739
1099.23	0.0038415	0.00059
1099.72	0.0044912	0.000394
1100.2	0.0067359	0.000547
1100.68	0.0086178	0.000547
1101.16	0.0109549	0.000592
1101.64	0.0172206	0.000565
1102.13	0.0358444	0.000649
1102.61	0.0898502	0.000654
1103.09	0.224935	0.000904
1103.57	0.157736	0.000933
1104.05	0.0354016	0.000654
1104.54	0.0121943	0.000578
1105.02	0.0068876	0.000814
1105.5	0.0034046	0.000701
1105.98	0.0034535	0.000748
1106.46	0.0057754	0.000926
1106.95	0.0076942	0.000437
1107.43	0.0157028	0.000633
1107.91	0.0193604	0.000456
1108.39	0.0068597	0.00077
1108.87	0.0038264	0.000765
1109.36	0.0064435	0.00096
1109.84	0.0155103	0.000599
1110.32	0.0341083	0.000459
1110.8	0.0298105	0.000675
1111.28	0.0060302	0.000592
1111.77	0.0094438	0.000486
1112.25	0.013167	0.000539
1112.73	0.0290964	0.000915
1113.21	0.0082307	0.000579
1113.7	0.0081755	0.000611
1114.18	0.0178164	0.000629
1114.66	0.0350865	0.000645
1115.14	0.0177958	0.000772
1115.62	0.035188	0.000723
1116.11	0.0455542	0.000681
1116.59	0.0381378	0.000463
1117.07	0.0504378	0.000622
1117.55	0.0721838	0.000473
1118.03	0.0048369	0.000757
1118.52	0.0028467	0.000536

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0015898	0.000585
1119.48	0.0061101	0.00087
1119.96	0.0110241	0.00081
1120.44	0.0165858	0.000556
1120.93	0.039497	0.000551
1121.41	0.105697	0.000786
1121.89	0.262077	0.00103
1122.37	0.0640687	0.000733
1122.85	0.0156146	0.000611
1123.34	0.0068547	0.000381
1123.82	0.0048565	0.000541
1124.3	0.0036869	0.000447
1124.78	0.0041534	0.000669
1125.26	0.0054574	0.000399
1125.75	0.0123403	0.00076
1126.23	0.005954	0.000653
1126.71	0.0006374	0.000737
1127.19	0.000656	0.000438
1127.67	0.0016185	0.000544
1128.16	0.0038516	0.000479
1128.64	0.0082084	0.000461
1129.12	0.0173892	0.000505
1129.6	0.0030605	0.000412
1130.09	0.004375	0.000621
1130.57	0.0055562	0.000465
1131.05	0.0119881	0.000556
1131.53	0.0201321	0.000772
1132.01	0.0118877	0.000602
1132.5	0.0041034	0.000722
1132.98	0.0039805	0.000777
1133.46	0.0085507	0.00063
1133.94	0.0147249	0.000872
1134.42	0.0059544	0.000466
1134.91	0.0084786	0.000364
1135.39	0.0184281	0.000434
1135.87	0.0108948	0.000556
1136.35	0.018756	0.00045
1136.83	0.0245986	0.000299
1137.32	0.0185499	0.000508
1137.8	0.0185747	0.000477
1138.28	0.0105637	0.00058
1138.76	0.0122945	0.000511
1139.24	0.0211386	0.000878
1139.73	0.0463762	0.000644
1140.21	0.110726	0.000817

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.117424	0.000899
1141.17	0.012715	0.000597
1141.65	0.0039875	0.000498
1142.14	0.0039131	0.000362
1142.62	0.0030347	0.000468
1143.1	0.0054796	0.000525
1143.58	0.0113384	0.000353
1144.06	0.0074892	0.000453
1144.55	0.0025882	0.000685
1145.03	0.0003512	0.00051
1145.51	0.0021045	0.000469
1145.99	0.0014923	0.000545
1146.48	0.0014857	0.000492
1146.96	0.0045776	0.000622
1147.44	0.0089584	0.000522
1147.92	0.0020988	0.000456
1148.4	0.0017057	0.000426
1148.89	0.0011618	0.000609
1149.37	0.0027749	0.000237
1149.85	0.0047097	0.000325
1150.33	0.0085446	0.000232
1150.81	0.0013811	0.00047
1151.3	0.0015586	0.000228
1151.78	0.0031888	0.00047
1152.26	0.0072559	0.000562
1152.74	0.0141378	0.000525
1153.22	0.0008908	0.000262
1153.71	0.0030051	0.000562
1154.19	0.0046766	0.000533
1154.67	0.0089894	0.000407
1155.15	0.0043063	0.00037
1155.63	0.0074412	0.00052
1156.12	0.0133382	0.000579
1156.6	0.0119954	0.000499
1157.08	0.0195688	0.000454
1157.56	0.0184068	0.000349
1158.04	0.0477156	0.000763
1158.53	0.101836	0.000585
1159.01	0.104194	0.00037
1159.49	0.0071764	0.000522
1159.97	0.0027584	0.000408
1160.45	0.0020872	0.000512
1160.94	0.0018478	0.000392
1161.42	0.0043853	0.000749
1161.9	0.0004402	0.000358

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0010561	0.00032
1162.86	-0.0002877	0.000433
1163.35	0.0015581	0.000478
1163.83	0.0010209	0.00043
1164.31	0.0012276	0.000441
1164.79	0.0039077	0.000543
1165.28	0.0085284	0.000433
1165.76	0.0012535	0.000377
1166.24	0.0001874	0.000559
1166.72	0.0005672	0.000632
1167.2	0.0004829	0.000707
1167.69	0.0011693	0.000649
1168.17	0.0033686	0.000475
1168.65	0.0043229	0.000301
1169.13	-0.0005598	0.000609
1169.61	0.0002797	0.000322
1170.1	0.0024718	0.000432
1170.58	0.0011075	0.000511
1171.06	0.0029472	0.00036
1171.54	0.0042306	0.000353
1172.02	0.001647	0.000363
1172.51	0.0029969	0.000393
1172.99	0.0060731	0.000489
1173.47	0.0087679	0.000368
1173.95	0.0017074	0.0004
1174.43	0.0040099	0.000559
1174.92	0.0047094	0.000556
1175.4	0.0051365	0.0005
1175.88	0.0134757	0.000404
1176.36	0.0327541	0.000333
1176.84	0.0705694	0.000668
1177.33	0.0184901	0.000373
1177.81	0.0054162	0.000459
1178.29	0.005984	0.000462
1178.77	0.0034578	0.000433
1179.25	0.0015772	0.000474
1179.74	0.0008129	0.000421
1180.22	0.0008969	0.00044
1180.7	-0.0007793	0.0006
1181.18	-0.0002189	0.000397
1181.67	0.000195	0.00056
1182.15	-0.0001526	0.000603
1182.63	0.0002605	0.000336
1183.11	0.0021784	0.000282
1183.59	0.001667	0.00045

Ammonia

1.033 Mole %

A10NH3

D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0008053	0.000484
1184.56	0.000648	0.000237
1185.04	0.0008776	0.000584
1185.52	0.0013578	0.000516
1186	0.0015678	0.000491
1186.49	0.0036729	0.000443
1186.97	0.0010437	0.000743
1187.45	0.0004274	0.000544
1187.93	0.0001417	0.000604
1188.41	-0.000018	0.00065
1188.9	0.0000919	0.000409
1189.38	0.0030251	0.000462
1189.86	0.0026541	0.000433
1190.34	0.0008669	0.000391
1190.82	0.0008803	0.000355
1191.31	0.0019544	0.0004
1191.79	0.001907	0.000358
1192.27	0.001756	0.000553
1192.75	0.0032144	0.000524
1193.23	0.0030254	0.00053
1193.72	0.0065239	0.000714
1194.2	0.0141005	0.000626
1194.68	0.0299848	0.000531
1195.16	0.0198225	0.000575
1195.64	0.005558	0.000415
1196.13	0.0016344	0.000431
1196.61	0.0004143	0.000208
1197.09	0.0015336	0.000303
1197.57	0.0042833	0.00025
1198.06	0.0038307	0.000475
1198.54	0.0027882	0.000333
1199.02	0.0008556	0.000424
1199.5	0.0008356	0.000586
1199.98	-0.0000151	0.000398
1200.47	-0.0000327	0.000617
1200.95	-0.0006926	0.000497
1201.43	0.0004328	0.000537
1201.91	0.0000731	0.000613
1202.39	0.0004554	0.000606
1202.88	0.0005292	0.000497
1203.36	0.0002544	0.000374
1203.84	0.0016562	0.000378
1204.32	0.0013659	0.000479
1204.8	-0.0009243	0.000179
1205.29	0.0012626	0.000292

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.000883	0.000404
1206.25	-0.0002106	0.000511
1206.73	0.0002026	0.000396
1207.21	0.0009166	0.000123
1207.7	0.0010914	0.000569
1208.18	0.0001738	0.000524
1208.66	-0.0003153	0.000728
1209.14	0.0002873	0.000524
1209.62	0.0011422	0.000556
1210.11	0.0010107	0.000379
1210.59	0.0013251	0.00027
1211.07	0.0026751	0.000411
1211.55	0.0039846	0.000513
1212.03	0.0098081	0.000395
1212.52	0.0151722	0.000526
1213	0.005422	0.000267
1213.48	0.0018993	0.000413
1213.96	0.0013827	0.000513
1214.45	0.0000861	0.000607
1214.93	0.0003123	0.00044
1215.41	0.0007666	0.000508
1215.89	-0.0000227	0.000596
1216.37	0.0005375	0.000282
1216.86	0.0014297	0.000291
1217.34	0.0013317	0.000316
1217.82	0.0018024	0.00032
1218.3	0.0009465	0.000457
1218.78	0.0008677	0.000275
1219.27	0.0014881	0.000401
1219.75	0.0000879	0.000306
1220.23	-0.0003519	0.00031
1220.71	-0.0002859	0.000336
1221.19	0.0010554	0.000566
1221.68	0.0002829	0.000528
1222.16	-0.0010244	0.000518
1222.64	0.0006539	0.000629
1223.12	0.000218	0.000359
1223.6	0.0006304	0.000234
1224.09	-0.0000345	0.000453
1224.57	0.0015571	0.000324
1225.05	0.0025071	0.000396
1225.53	0.0018273	0.000403
1226.01	0.0003202	0.000345
1226.5	0.0013078	0.000395
1226.98	0.0005467	0.000446

Ammonia

1.033 Mole %

A10NH3

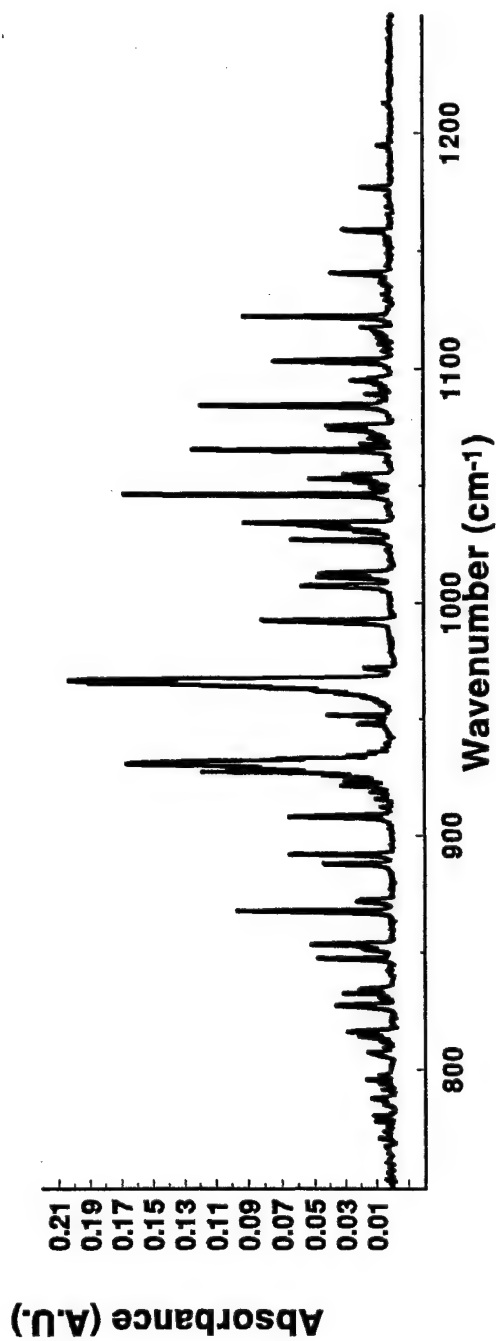
D10NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0004834	0.000463
1227.94	0.0013073	0.000182
1228.42	0.0010732	0.000471
1228.91	0.0009035	0.000579
1229.39	0.0026327	0.000427
1229.87	0.0057646	0.000396
1230.35	0.0042849	0.000369
1230.83	0.0008255	0.000553
1231.32	0.0016174	0.000591
1231.8	0.0001905	0.000347
1232.28	0.0009516	0.000393
1232.76	0.0009363	0.000389
1233.25	0.0014362	0.000374
1233.73	0.0014092	0.000286
1234.21	-0.0001396	0.000407
1234.69	0.0004573	0.00045
1235.17	0.0003492	0.000489
1235.66	-0.0006244	0.000483
1236.14	-0.0004532	0.000589
1236.62	0.0007021	0.000312
1237.1	0.000965	0.000572
1237.58	0.0010069	0.000455
1238.07	0.000697	0.000425
1238.55	0.0004578	0.000374
1239.03	0.0012167	0.000114
1239.51	0.0001083	0.000347
1239.99	0.0004002	0.000294
1240.48	-0.0001183	0.000389
1240.96	0.0008526	0.000449
1241.44	0.0007403	0.000521
1241.92	-0.0005453	0.00052
1242.4	0.000514	0.000495
1242.89	0.0013514	0.000423
1243.37	0.0007806	0.000282
1243.85	0.000678	0.000482
1244.33	0.0012584	0.000543
1244.81	0.0014941	0.000269
1245.3	0.0006618	0.000397
1245.78	0.00107	0.00045
1246.26	0.0014099	0.000249
1246.74	0.0010415	0.000378
1247.22	0.0028065	0.000409
1247.71	0.0014738	0.000374
1248.19	0.0003425	0.000407
1248.67	-0.0005014	0.000328

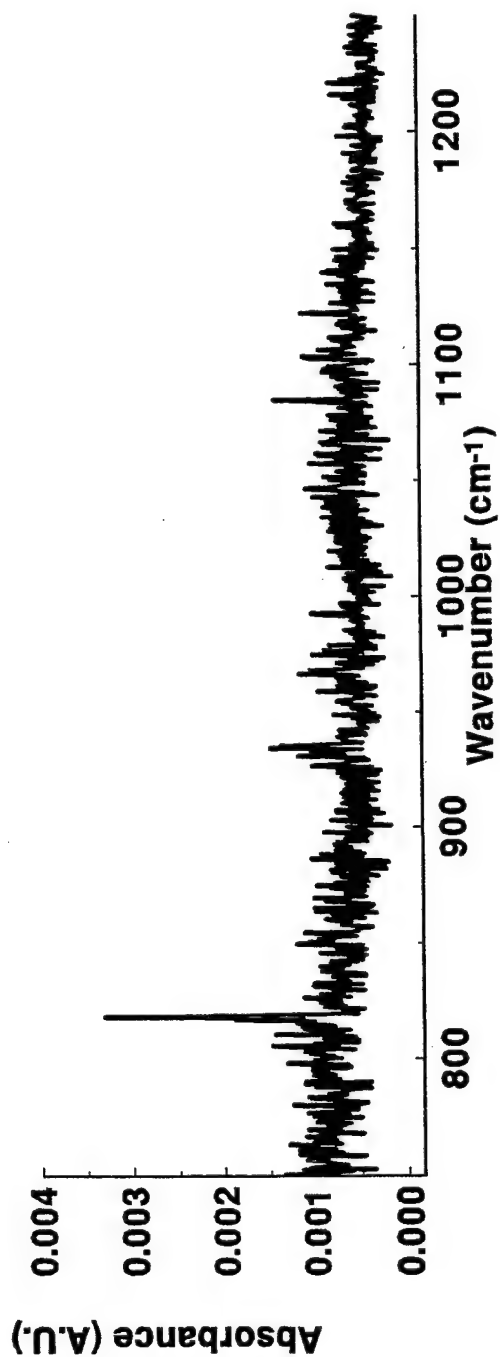
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0007317	0.00043
1249.63	-0.0000431	0.000546
1250.12	-0.0002404	0.000397

0.268 Mole %

A11NH3
N=10



D11NH3



Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.000517	0.001347
750.677	0.0002263	0.000777
751.159	-0.000256	0.000992
751.641	0.0012583	0.000613
752.123	0.0016993	0.001141
752.605	-0.001609	0.000365
753.087	0.0024454	0.001065
753.57	0.0039806	0.001004
754.052	0.0024129	0.000893
754.534	-0.0003157	0.00066
755.016	0.0001598	0.000813
755.498	0.0015938	0.000826
755.98	0.0019918	0.000907
756.462	0.0028701	0.001098
756.944	0.000339	0.00088
757.426	-0.0003782	0.00108
757.909	0.0011283	0.00084
758.391	0.0016697	0.000469
758.873	0.0023241	0.001187
759.355	0.0018391	0.001011
759.837	-0.0002636	0.000706
760.319	0.002399	0.000801
760.801	0.0041485	0.001191
761.283	0.002878	0.000793
761.766	0.0019445	0.001178
762.248	0.0024896	0.001056
762.73	0.0020389	0.000991
763.212	0.0008399	0.001293
763.694	0.0006074	0.00073
764.176	0.0013137	0.001025
764.658	0.0030449	0.000983
765.14	0.0030401	0.000777
765.622	0.0021286	0.000797
766.105	0.0026394	0.000979
766.587	0.0026311	0.001103
767.069	0.0040189	0.00081
767.551	0.0044544	0.000957
768.033	0.0028998	0.000495
768.515	-0.0009583	0.000861
768.997	-0.0012102	0.000723
769.479	0.0005016	0.001078
769.961	0.000348	0.000953
770.444	0.0037104	0.000735
770.926	0.0081615	0.00075
771.408	0.0014097	0.000687

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0015772	0.000878
772.372	0.0018502	0.000624
772.854	0.001491	0.000989
773.336	0.0029251	0.00092
773.818	0.0053808	0.000961
774.301	0.0015729	0.000768
774.783	0.0008767	0.000506
775.265	0.0005279	0.001019
775.747	0.0034436	0.00066
776.229	0.0031496	0.000648
776.711	0.0032259	0.00108
777.193	0.0002755	0.00091
777.675	0.0026363	0.000659
778.157	0.0103483	0.000548
778.64	-0.0000922	0.000691
779.122	0.0026434	0.000553
779.604	0.0069699	0.000799
780.086	0.0094657	0.001247
780.568	0.0113599	0.000569
781.05	0.0004479	0.000449
781.532	0.0013944	0.00059
782.014	-0.0009032	0.000707
782.497	-0.0006957	0.000842
782.979	-0.0012635	0.001017
783.461	0.0001252	0.001069
783.943	-0.0011012	0.000717
784.425	0.0000138	0.000669
784.907	0.0033686	0.000859
785.389	0.0051533	0.00073
785.871	0.0045554	0.000714
786.353	0.0055529	0.000623
786.836	0.0038724	0.00057
787.318	0.0088816	0.000407
787.8	0.0129884	0.000996
788.282	0.0095816	0.000621
788.764	0.0020633	0.000492
789.246	-0.0009003	0.00111
789.728	0.0010613	0.000405
790.21	-0.0011059	0.001104
790.692	0.0006616	0.00082
791.175	0.0014322	0.000741
791.657	0.0064041	0.000837
792.139	-0.0007565	0.000809
792.621	0.0010605	0.001022
793.103	0.0006566	0.000792

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0016301	0.00086
794.067	0.008101	0.00101
794.549	0.0015296	0.000894
795.032	0.0020009	0.001032
795.514	0.0066063	0.001033
795.996	0.0162522	0.000657
796.478	0.0014672	0.000628
796.96	0.0039615	0.001043
797.442	0.0082696	0.000656
797.924	0.0053399	0.001307
798.406	0.0032609	0.000909
798.888	0.0015615	0.000904
799.371	0.0017237	0.001017
799.853	0.0014261	0.000901
800.335	0.0015335	0.000721
800.817	0.0011846	0.000849
801.299	0.0008418	0.000804
801.781	0.0014702	0.000943
802.263	0.0004486	0.001059
802.745	0.0002417	0.000925
803.227	0.0004453	0.001122
803.71	0.0003367	0.001026
804.192	-0.0005864	0.000586
804.674	0.0004198	0.00083
805.156	0.0029155	0.001245
805.638	0.0046076	0.00147
806.12	0.0089781	0.000758
806.602	0.0097727	0.001016
807.084	0.0138686	0.000543
807.567	0.0152756	0.000779
808.049	0.0031125	0.000546
808.531	0.0019355	0.000907
809.013	0.0024495	0.000625
809.495	0.0056106	0.000574
809.977	0.0021111	0.000629
810.459	0.0001184	0.001443
810.941	0.000426	0.000772
811.423	0.0009138	0.000708
811.906	0.0053204	0.001049
812.388	0.0079129	0.000637
812.87	0.0023569	0.001126
813.352	0.0049429	0.000946
813.834	0.0138403	0.001148
814.316	0.0213367	0.000798
814.798	0.0071428	0.000931

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0131456	0.00121
815.762	0.0138358	0.001121
816.245	0.0283003	0.001018
816.727	0.0231132	0.001886
817.209	0.0033328	0.001192
817.691	0.0018834	0.001143
818.173	-0.0023382	0.003299
818.655	0.0009451	0.001763
819.137	0.0000594	0.001099
819.619	-0.0008226	0.000544
820.102	0.000803	0.000678
820.584	0.0015222	0.000609
821.066	-0.0001438	0.000701
821.548	-0.0002699	0.000479
822.03	-0.0019087	0.00077
822.512	0.0007985	0.000897
822.994	-0.0006842	0.000676
823.476	0.0006517	0.00071
823.959	-0.0011508	0.000754
824.441	-0.0005189	0.000943
824.923	-0.0001283	0.000722
825.405	0.0013304	0.000738
825.887	0.0041662	0.00095
826.369	0.013706	0.001115
826.851	0.0196149	0.000622
827.333	0.035631	0.000865
827.816	0.0338249	0.000939
828.298	0.0023553	0.000798
828.78	0.0002289	0.000689
829.262	0.0023683	0.000709
829.744	0.0006314	0.000471
830.226	0.0052781	0.000813
830.708	0.0082004	0.000685
831.19	0.0030305	0.000984
831.672	0.0038377	0.001012
832.155	0.011527	0.000492
832.637	0.0305766	0.000995
833.119	0.0059665	0.000729
833.601	0.0108456	0.000627
834.083	0.0208301	0.000697
834.565	0.019837	0.000741
835.047	0.0071544	0.000673
835.529	0.0032365	0.000806
836.011	0.0015088	0.000461
836.494	0.0001528	0.000464

Ammonia

0.268 Mole %

A11NH3
D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0006302	0.000496
837.458	0.0007044	0.000806
837.94	0.0003147	0.000922
838.422	-0.0001632	0.000851
838.904	-0.0007513	0.0007
839.386	-0.0000914	0.000698
839.868	-0.0009702	0.000935
840.351	0.0011841	0.000634
840.833	0.0003106	0.00079
841.315	0.0007479	0.000829
841.797	0.0023681	0.000544
842.279	0.0027228	0.000819
842.761	0.0002797	0.000488
843.243	0.0013857	0.000553
843.725	0.0018664	0.000486
844.207	0.0003774	0.00063
844.69	-0.0010818	0.000452
845.172	0.000735	0.000615
845.654	0.0018712	0.000936
846.136	0.0037686	0.000631
846.618	0.0110606	0.000611
847.1	0.0312612	0.000451
847.582	0.0473981	0.000759
848.064	0.0076953	0.000563
848.546	0.0032329	0.000784
849.029	0.0033734	0.00049
849.511	0.002363	0.001197
849.993	0.0036776	0.000842
850.475	0.006857	0.001061
850.957	0.0166984	0.000809
851.439	0.0186819	0.000795
851.921	0.0098135	0.000961
852.403	0.0200998	0.00077
852.886	0.0239217	0.000558
853.368	0.0513856	0.000707
853.85	0.049149	0.000738
854.332	0.0061029	0.001106
854.814	0.0005626	0.00061
855.296	0.000123	0.000534
855.778	-0.0008038	0.000544
856.26	0.0007591	0.000525
856.742	0.0014883	0.000389
857.225	0.000157	0.000534
857.707	-0.0001829	0.000709
858.189	0.0004365	0.00067

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	-1.04E-06	0.000661
859.153	-0.0000827	0.000611
859.635	-0.0007389	0.00082
860.117	0.0010575	0.000873
860.599	0.0000567	0.000462
861.081	-0.0000255	0.000591
861.564	-0.0000793	0.000585
862.046	-0.0001395	0.000801
862.528	0.0013545	0.000742
863.01	0.0006109	0.000341
863.492	-0.0015481	0.000984
863.974	0.0015173	0.000564
864.456	0.0007702	0.000434
864.938	0.0003391	0.000997
865.421	0.0017956	0.000389
865.903	0.0019584	0.000641
866.385	0.0054135	0.000372
866.867	0.015904	0.0005
867.349	0.0528569	0.000599
867.831	0.0961243	0.00088
868.313	0.0080188	0.000634
868.795	0.0034704	0.000622
869.277	0.0023754	0.001002
869.76	0.0013099	0.00045
870.242	0.0017315	0.000631
870.724	0.0036919	0.000494
871.206	0.0096798	0.000663
871.688	0.0223555	0.000613
872.17	0.0163551	0.000462
872.652	0.0195217	0.000597
873.134	0.003607	0.000694
873.617	0.0000279	0.000822
874.099	-0.0001821	0.000432
874.581	0.0007596	0.000976
875.063	0.000574	0.00075
875.545	-0.0002507	0.000464
876.027	0.0001654	0.000772
876.509	-0.00049	0.000419
876.991	0.0014212	0.000432
877.474	-0.0003597	0.0005
877.956	0.0005736	0.000575
878.438	-0.0002762	0.000703
878.92	0.0006422	0.000314
879.402	5.28E-06	0.000528
879.884	-0.0015618	0.000579

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0004509	0.000805
880.848	-0.0004688	0.000432
881.33	0.0007382	0.000813
881.813	-0.000293	0.000232
882.295	0.0001207	0.000761
882.777	0.0002953	0.000248
883.259	0.0010742	0.000377
883.741	0.0001154	0.000608
884.223	0.000696	0.000765
884.705	0.0007974	0.000208
885.187	0.0021464	0.000449
885.669	0.0030115	0.00046
886.152	0.002704	0.001027
886.634	0.0050197	0.000854
887.116	0.0148611	0.000484
887.598	0.0425996	0.000711
888.08	0.0435742	0.000923
888.562	0.0057674	0.000464
889.044	0.0020945	0.000579
889.526	0.0014287	0.000518
890.009	0.0031642	0.000769
890.491	0.0041631	0.000689
890.973	0.0078983	0.000691
891.455	0.0279125	0.000605
891.937	0.0644601	0.000762
892.419	0.0102351	0.00078
892.901	0.0015164	0.000664
893.383	-0.0000207	0.000751
893.865	0.0004469	0.000437
894.348	0.0006348	0.000521
894.83	-0.0004876	0.000446
895.312	-0.0000211	0.000661
895.794	0.0008027	0.000547
896.276	0.0009774	0.00042
896.758	0.000187	0.00064
897.24	0.0000773	0.000387
897.722	0.0000955	0.000883
898.204	-0.0004421	0.000421
898.687	0.0005643	0.000504
899.169	-0.0002171	0.000477
899.651	0.0007153	0.000447
900.133	0.0003896	0.000635
900.615	0.0007265	0.000177
901.097	-0.0004818	0.000396
901.579	0.0002369	0.000485

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	-0.000232	0.000385
902.544	0.0002304	0.000656
903.026	0.0017687	0.000802
903.508	0.0013329	0.000373
903.99	-0.0000159	0.000464
904.472	0.0007384	0.00053
904.954	0.0021742	0.000392
905.436	0.0016218	0.000625
905.918	0.0032575	0.000254
906.4	0.0053692	0.000745
906.883	0.0062789	0.00039
907.365	0.0211435	0.000752
907.847	0.0647678	0.00031
908.329	0.043938	0.000609
908.811	0.0091408	0.000486
909.293	0.0032984	0.000403
909.775	0.0028601	0.00054
910.257	0.0009749	0.000682
910.739	0.0019973	0.000434
911.222	0.0020845	0.000553
911.704	0.0014377	0.000334
912.186	0.0069588	0.000613
912.668	0.0006309	0.000662
913.15	0.0018661	0.00049
913.632	0.0007356	0.000411
914.114	-0.0000454	0.000668
914.596	0.0013173	0.000689
915.079	0.0046245	0.000441
915.561	0.0098079	0.000305
916.043	0.003602	0.000661
916.525	0.0044053	0.000358
917.007	0.0027288	0.000641
917.489	0.0026669	0.000365
917.971	0.0054276	0.000579
918.453	0.0136493	0.000425
918.935	0.0045265	0.000644
919.418	0.0036317	0.000307
919.9	0.0054494	0.000598
920.382	0.0092393	0.000432
920.864	0.0241509	0.000581
921.346	0.0319614	0.000669
921.828	0.0109961	0.000691
922.31	0.0070712	0.000329
922.792	0.0120397	0.000309
923.275	0.0299605	0.000355

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0270713	0.000734
924.239	0.0129803	0.00055
924.721	0.0150843	0.000275
925.203	0.0318258	0.000702
925.685	0.0442914	0.000745
926.167	0.0270728	0.00037
926.649	0.0484371	0.001014
927.132	0.118018	0.000953
927.614	0.0558397	0.000629
928.096	0.0624462	0.000655
928.578	0.102779	0.000601
929.06	0.0906148	0.000404
929.542	0.0824659	0.000646
930.024	0.124518	0.000452
930.506	0.166084	0.00069
930.988	0.16265	0.001171
931.471	0.141941	0.000658
931.953	0.105327	0.000793
932.435	0.0565261	0.000884
932.917	0.0719956	0.001031
933.399	0.0169345	0.00094
933.881	0.0268196	0.00048
934.363	0.0278049	0.001478
934.845	0.0117219	0.001346
935.328	0.0103355	0.001354
935.81	0.0141861	0.001052
936.292	0.0031918	0.000756
936.774	0.0038393	0.000469
937.256	0.0057418	0.000624
937.738	0.0036473	0.000671
938.22	0.0020093	0.000679
938.702	0.0026252	0.000647
939.184	0.0038287	0.000733
939.667	0.0016403	0.000636
940.149	0.0020446	0.000436
940.631	0.0013499	0.000442
941.113	0.0012479	0.000699
941.595	0.0003533	0.000491
942.077	-0.0008867	0.000711
942.559	0.0021753	0.000528
943.041	0.0005572	0.000415
943.523	0.0009487	0.000488
944.006	0.0019432	0.000495
944.488	0.0023011	0.000463
944.97	0.0033522	0.000506

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.002824	0.000403
945.934	0.0038946	0.000311
946.416	0.0044441	0.000413
946.898	0.0042991	0.000504
947.38	0.0081439	0.000568
947.863	0.0209233	0.000291
948.345	0.0201167	0.00041
948.827	0.0048885	0.000766
949.309	0.006018	0.000335
949.791	0.0049712	0.000444
950.273	0.0042286	0.000396
950.755	0.0062936	0.000488
951.237	0.0194031	0.000452
951.719	0.0405134	0.000576
952.202	0.0050001	0.000508
952.684	0.0025612	0.000363
953.166	0.002825	0.00054
953.648	0.001121	0.000675
954.13	0.0021698	0.000592
954.612	0.0028953	0.000736
955.094	0.0020611	0.000721
955.576	0.0032836	0.000592
956.058	0.0070127	0.000457
956.541	0.0043777	0.000545
957.023	0.0057485	0.000324
957.505	0.0099271	0.000429
957.987	0.0111593	0.000536
958.469	0.0087556	0.000529
958.951	0.0125004	0.000947
959.433	0.0187646	0.000519
959.915	0.0164145	0.000362
960.398	0.0224067	0.000542
960.88	0.0358774	0.000326
961.362	0.0288606	0.000736
961.844	0.0466268	0.000462
962.326	0.0506907	0.000498
962.808	0.0479941	0.000424
963.29	0.0779455	0.000652
963.772	0.0758927	0.000723
964.254	0.1175	0.000562
964.737	0.12007	0.000692
965.219	0.190145	0.00075
965.701	0.135092	0.000503
966.183	0.195938	0.000722
966.665	0.202506	0.001153

Ammonia

0.268 Mole %

A11NH3
D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.187017	0.000967
967.629	0.0988862	0.000961
968.111	0.0223876	0.00103
968.594	0.0038909	0.000674
969.076	0.0026617	0.000456
969.558	0.0027613	0.00065
970.04	0.0019306	0.00061
970.522	0.0036904	0.00035
971.004	0.0066163	0.000645
971.486	0.0160266	0.000735
971.968	0.0170582	0.000586
972.45	0.0008378	0.000296
972.933	-0.001114	0.0006
973.415	-0.0008943	0.000237
973.897	-0.0023125	0.00049
974.379	-0.0010685	0.000627
974.861	-0.0016987	0.001
975.343	-0.0013972	0.000651
975.825	-0.0018789	0.000458
976.307	-0.0014716	0.000471
976.79	-0.0008791	0.000869
977.272	-0.0006222	0.000317
977.754	-0.0005653	0.00039
978.236	-0.0000874	0.000375
978.718	0.0001469	0.000315
979.2	0.0002415	0.00081
979.682	0.0001286	0.000371
980.164	-0.000122	0.000406
980.646	-0.0006006	0.000512
981.129	0.0003204	0.000471
981.611	-0.0004819	0.00041
982.093	-0.0008458	0.000536
982.575	0.0008206	0.000237
983.057	-0.0009733	0.000333
983.539	-0.000254	0.000496
984.021	0.0012813	0.000574
984.503	-0.0001633	0.000327
984.986	0.0002084	0.000463
985.468	0.0015107	0.000638
985.95	0.0010545	0.000536
986.432	0.0014426	0.000446
986.914	0.0016709	0.00051
987.396	0.0013378	0.00046
987.878	0.0014171	0.000452
988.36	0.0019458	0.000447

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0021008	0.000498
989.325	0.0025068	0.000547
989.807	0.0021516	0.000578
990.289	0.0044594	0.000544
990.771	0.0114594	0.0004
991.253	0.0243437	0.000508
991.735	0.0462438	0.00045
992.217	0.0778574	0.000833
992.699	0.080559	0.001005
993.181	0.0057408	0.000601
993.664	0.0009799	0.000478
994.146	-0.0015175	0.000459
994.628	-0.0021878	0.000518
995.11	-0.0011361	0.00059
995.592	-0.0000451	0.000666
996.074	-0.0008414	0.000522
996.556	0.000038	0.000281
997.038	0.0006887	0.000687
997.521	0.0010052	0.000382
998.003	0.0005926	0.000444
998.485	0.0009317	0.00038
998.967	-0.0000818	0.00047
999.449	0.000437	0.000509
999.931	0.0009074	0.000498
1000.41	0.0012732	0.00041
1000.89	0.0010028	0.000427
1001.37	-0.0002427	0.00054
1001.86	0.0006845	0.000335
1002.34	0.0013843	0.000513
1002.82	0.0005392	0.00059
1003.3	0.0008561	0.000559
1003.78	0.0018266	0.000563
1004.27	0.0007046	0.000229
1004.75	0.0022469	0.000581
1005.23	0.0058079	0.000516
1005.71	0.0050379	0.000535
1006.19	0.0083164	0.000498
1006.68	0.022021	0.000617
1007.16	0.0564503	0.000468
1007.64	0.0506498	0.000642
1008.12	0.0056007	0.000627
1008.6	0.0029605	0.000143
1009.09	0.0025365	0.000523
1009.57	0.0037722	0.000442
1010.05	0.0065765	0.000611

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0206477	0.000254
1011.02	0.046947	0.000383
1011.5	0.0136673	0.000492
1011.98	0.0244219	0.00031
1012.46	0.0455189	0.000816
1012.94	0.0401131	0.000554
1013.43	0.0082079	0.000266
1013.91	0.0018334	0.000655
1014.39	0.000975	0.000387
1014.87	-0.0005119	0.000463
1015.35	0.0010843	0.000391
1015.84	-0.0000188	0.000674
1016.32	-0.0017292	0.00057
1016.8	-0.0008228	0.000509
1017.28	-0.0011264	0.000685
1017.77	0.00033	0.000418
1018.25	0.0015178	0.000515
1018.73	-0.0005221	0.000712
1019.21	0.0003599	0.000567
1019.69	0.0003656	0.000798
1020.18	0.0002615	0.00043
1020.66	0.0008544	0.000642
1021.14	-0.0002302	0.000411
1021.62	0.001907	0.000615
1022.1	0.0011157	0.000477
1022.59	0.0029696	0.000564
1023.07	0.001858	0.000718
1023.55	0.0008403	0.000406
1024.03	0.0001782	0.000736
1024.52	0.0022252	0.000578
1025	0.0032861	0.000375
1025.48	0.0041189	0.000734
1025.96	0.0105053	0.000414
1026.44	0.029744	0.000718
1026.93	0.0633052	0.000474
1027.41	0.0041049	0.000606
1027.89	0.0021764	0.000808
1028.37	0.0023535	0.000614
1028.85	0.0029263	0.000485
1029.34	0.0055645	0.000784
1029.82	0.0120111	0.00041
1030.3	0.0232681	0.000241
1030.78	0.0078589	0.00048
1031.26	0.0163748	0.000784
1031.75	0.0393282	0.000358

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.0442958	0.000531
1032.71	0.0265263	0.000454
1033.19	0.0593662	0.000792
1033.67	0.0613165	0.00044
1034.16	0.0917425	0.000876
1034.64	0.0039845	0.00074
1035.12	0.0006478	0.000521
1035.6	-0.0002809	0.000518
1036.08	-0.0000579	0.000669
1036.57	-0.0009462	0.000771
1037.05	0.0006682	0.000399
1037.53	0.001633	0.00078
1038.01	0.0007317	0.000682
1038.49	0.0002345	0.000873
1038.98	0.0010292	0.000527
1039.46	0.0023127	0.00049
1039.94	0.0021076	0.000833
1040.42	0.0013268	0.000569
1040.9	0.0030611	0.00084
1041.39	0.0009195	0.00051
1041.87	0.0011817	0.000624
1042.35	-0.0000266	0.000607
1042.83	0.0019583	0.000982
1043.32	0.0023413	0.000445
1043.8	0.0020735	0.000292
1044.28	0.0058888	0.000682
1044.76	0.010217	0.000436
1045.24	0.0226177	0.000668
1045.73	0.0701499	0.000751
1046.21	0.167768	0.001068
1046.69	0.0215228	0.001047
1047.17	0.004682	0.000738
1047.65	0.0035572	0.000722
1048.14	0.0027081	0.000655
1048.62	0.0066739	0.000434
1049.1	0.0136176	0.000434
1049.58	0.0044997	0.000631
1050.06	0.0021476	0.000798
1050.55	0.005202	0.000513
1051.03	0.01318	0.0007
1051.51	0.0233028	0.000858
1051.99	0.0089599	0.000418
1052.47	0.0222451	0.000462
1052.96	0.0519289	0.000416
1053.44	0.0130878	0.000505

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0256764	0.000717
1054.4	0.0269392	0.000624
1054.88	0.0298932	0.000623
1055.37	0.0022689	0.000454
1055.85	0.0010704	0.00042
1056.33	0.0006838	0.000466
1056.81	0.0000281	0.000647
1057.29	-0.0004911	0.001015
1057.78	0.0000279	0.000645
1058.26	-0.0000809	0.00071
1058.74	0.0012625	0.000495
1059.22	0.0009417	0.000255
1059.71	0.0000751	0.000735
1060.19	0.0031649	0.000405
1060.67	0.0016752	0.000913
1061.15	0.0014702	0.000788
1061.63	0.0026991	0.000945
1062.12	0.0017854	0.000459
1062.6	0.0011512	0.000339
1063.08	0.0029034	0.000657
1063.56	0.0025245	0.000244
1064.04	0.0068916	0.000451
1064.53	0.0208786	0.000568
1065.01	0.0586503	0.000634
1065.49	0.124018	0.000862
1065.97	0.0057412	0.000841
1066.45	0.0009568	0.000889
1066.94	0.0038483	0.000663
1067.42	0.0091096	0.000165
1067.9	0.0190378	0.000778
1068.38	0.0025274	0.000652
1068.86	0.0017687	0.000616
1069.35	0.0033059	0.000708
1069.83	0.0059913	0.000377
1070.31	0.0139678	0.000664
1070.79	0.007142	0.000714
1071.27	0.0043927	0.000888
1071.76	0.0064842	0.000805
1072.24	0.0113931	0.000424
1072.72	0.0141961	0.0003
1073.2	0.0111871	0.000409
1073.68	0.0229818	0.000696
1074.17	0.039157	0.000689
1074.65	0.0157817	0.000674
1075.13	0.038014	0.000378

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.04074	0.000605
1076.09	0.0289203	0.000775
1076.58	0.0026601	0.000737
1077.06	-0.0002716	0.000348
1077.54	-0.0007522	0.000451
1078.02	-0.0010531	0.000799
1078.51	0.0007592	0.000598
1078.99	0.0009791	0.000451
1079.47	0.0010324	0.000441
1079.95	0.0007384	0.000528
1080.43	0.0021652	0.000588
1080.92	0.0023052	0.000449
1081.4	0.0024962	0.000693
1081.88	0.0044399	0.000347
1082.36	0.0059349	0.000462
1082.84	0.0094103	0.000613
1083.33	0.0179559	0.000403
1083.81	0.0474691	0.000929
1084.29	0.118829	0.000622
1084.77	0.0529069	0.001412
1085.25	0.0096209	0.000566
1085.74	0.0067025	0.000608
1086.22	0.0071122	0.000395
1086.7	0.0029	0.000534
1087.18	0.0032963	0.000451
1087.66	0.0027	0.000597
1088.15	0.0034426	0.000658
1088.63	0.0081024	0.000474
1089.11	0.015605	0.00028
1089.59	0.0030798	0.000687
1090.07	0.0011873	0.000456
1090.56	0.0013176	0.000719
1091.04	0.0042367	0.000657
1091.52	0.0069972	0.000626
1092	0.0037572	0.000266
1092.48	0.0035937	0.000522
1092.97	0.0055631	0.00047
1093.45	0.0108269	0.000695
1093.93	0.006264	0.000604
1094.41	0.0125094	0.000656
1094.9	0.0248564	0.000767
1095.38	0.0091491	0.000761
1095.86	0.0141718	0.000392
1096.34	0.0095952	0.000528
1096.82	0.0038	0.000871

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0009442	0.000533
1097.79	-5.17E-06	0.000532
1098.27	4.85E-06	0.000851
1098.75	0.000365	0.000795
1099.23	0.001047	0.000803
1099.72	0.0015384	0.000651
1100.2	0.0010452	0.000586
1100.68	0.0037489	0.000385
1101.16	0.003171	0.000495
1101.64	0.00543	0.000334
1102.13	0.0085207	0.000555
1102.61	0.0316568	0.001014
1103.09	0.0733469	0.001043
1103.57	0.0561703	0.001087
1104.05	0.0093951	0.000694
1104.54	0.0025543	0.000517
1105.02	0.0014438	0.000682
1105.5	-0.0000772	0.000762
1105.98	-0.0001654	0.00066
1106.46	0.0007046	0.000912
1106.95	0.0016884	0.000695
1107.43	0.0047675	0.000576
1107.91	0.004277	0.000531
1108.39	-0.0003942	0.000651
1108.87	0.001234	0.000575
1109.36	0.0007953	0.000626
1109.84	0.0038076	0.000565
1110.32	0.0072925	0.000677
1110.8	0.0070708	0.000757
1111.28	-0.0007186	0.000438
1111.77	0.001253	0.000785
1112.25	0.0020813	0.000618
1112.73	0.0079583	0.000539
1113.21	0.0027238	0.000452
1113.7	0.0027758	0.000417
1114.18	0.0043317	0.000513
1114.66	0.00959	0.000296
1115.14	0.0049939	0.000428
1115.62	0.0092465	0.00041
1116.11	0.0111907	0.000647
1116.59	0.0102637	0.000558
1117.07	0.0125691	0.000409
1117.55	0.0185082	0.000705
1118.03	0.0002955	0.000492
1118.52	-0.0001898	0.000603

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0011387	0.000676
1119.48	0.0009746	0.000443
1119.96	0.003935	0.000405
1120.44	0.0043258	0.000559
1120.93	0.0124951	0.000546
1121.41	0.036786	0.00051
1121.89	0.0915846	0.000628
1122.37	0.0170594	0.001101
1122.85	0.0031877	0.000678
1123.34	0.0029694	0.000583
1123.82	0.0021968	0.000483
1124.3	0.0021661	0.000553
1124.78	0.0015531	0.0005
1125.26	0.0011204	0.000525
1125.75	0.0021419	0.000561
1126.23	0.0008221	0.000603
1126.71	-0.0007448	0.000769
1127.19	-0.0002905	0.000317
1127.67	-0.0013323	0.000548
1128.16	0.0011177	0.000575
1128.64	0.0012246	0.000472
1129.12	0.0031961	0.000645
1129.6	-0.0004706	0.000548
1130.09	0.0005278	0.000498
1130.57	0.0013966	0.00032
1131.05	0.0015213	0.000643
1131.53	0.0048626	0.000671
1132.01	0.0026342	0.000377
1132.5	0.0007031	0.000663
1132.98	0.0005043	0.000654
1133.46	0.0020121	0.000681
1133.94	0.0019138	0.00054
1134.42	0.0005641	0.000435
1134.91	-0.0000613	0.000811
1135.39	0.0045426	0.000448
1135.87	0.0013328	0.000317
1136.35	0.0049193	0.000403
1136.83	0.0061511	0.000593
1137.32	0.0057455	0.000607
1137.8	0.0035098	0.000499
1138.28	0.0032264	0.000683
1138.76	0.0030764	0.000642
1139.24	0.0052459	0.000591
1139.73	0.0137455	0.000862
1140.21	0.0312779	0.000477

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0374737	0.000791
1141.17	0.0039262	0.000532
1141.65	0.0018851	0.000425
1142.14	0.0003596	0.000472
1142.62	-0.0002327	0.00066
1143.1	0.0005173	0.00062
1143.58	0.0024868	0.000404
1144.06	0.0008099	0.000412
1144.55	0.0007658	0.000517
1145.03	0.0010665	0.000717
1145.51	0.000117	0.00062
1145.99	0.0002568	0.00032
1146.48	-0.0008136	0.000701
1146.96	0.000383	0.0005
1147.44	0.0014913	0.000384
1147.92	0.0004607	0.000552
1148.4	-0.0009204	0.000464
1148.89	0.0017608	0.000433
1149.37	0.0001575	0.00027
1149.85	0.0005147	0.000732
1150.33	0.0013889	0.000535
1150.81	-0.0002818	0.000321
1151.3	-0.0012515	0.000448
1151.78	0.0006284	0.000542
1152.26	0.0016269	0.000319
1152.74	0.0029705	0.000499
1153.22	-0.0001895	0.000408
1153.71	0.000322	0.000458
1154.19	0.00051	0.000386
1154.67	0.0031437	0.000398
1155.15	0.0001391	0.000494
1155.63	0.0004076	0.000501
1156.12	0.0028349	0.000508
1156.6	0.0036174	0.000342
1157.08	0.0039194	0.000453
1157.56	0.0039637	0.000461
1158.04	0.011532	0.000521
1158.53	0.0268597	0.00037
1159.01	0.0298226	0.000477
1159.49	0.0017496	0.000682
1159.97	-0.0004356	0.000437
1160.45	-0.0000324	0.000516
1160.94	0.0011371	0.000722
1161.42	0.0001694	0.000378
1161.9	-0.0008218	0.000459

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.0004336	0.000318
1162.86	0.0005484	0.000468
1163.35	-0.0005842	0.000368
1163.83	-0.000312	0.000426
1164.31	0.0005334	0.000366
1164.79	0.0005763	0.000314
1165.28	0.0017731	0.000364
1165.76	0.0002056	0.000336
1166.24	-0.0015092	0.000517
1166.72	-0.0011754	0.000475
1167.2	-0.0012524	0.000559
1167.69	-0.0008982	0.000506
1168.17	-0.0007909	0.00041
1168.65	0.0018978	0.000386
1169.13	-0.0008812	0.000301
1169.61	-0.0007595	0.000589
1170.1	-0.0000207	0.000518
1170.58	0.0003726	0.000592
1171.06	0.0000253	0.000512
1171.54	0.0001554	0.000476
1172.02	0.0000754	0.000493
1172.51	0.0005098	0.000463
1172.99	0.0018963	0.000362
1173.47	0.0024072	0.000471
1173.95	0.0004793	0.000299
1174.43	0.000392	0.000439
1174.92	0.0002233	0.000408
1175.4	0.0007083	0.000565
1175.88	0.0027186	0.000388
1176.36	0.0080938	0.000422
1176.84	0.0180604	0.000367
1177.33	0.0054946	0.000496
1177.81	0.0005498	0.000436
1178.29	0.0000951	0.000619
1178.77	-0.0000956	0.000404
1179.25	-0.0006223	0.000483
1179.74	-0.0009303	0.000242
1180.22	0.0004811	0.000506
1180.7	-0.0010383	0.000563
1181.18	-0.0009734	0.000451
1181.67	-0.0000605	0.000403
1182.15	-0.0001013	0.000207
1182.63	7.53E-06	0.000269
1183.11	0.0000751	0.000306
1183.59	-0.0008948	0.000524

Ammonia

0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	-0.0004243	0.00051
1184.56	-0.001065	0.000444
1185.04	0.0002777	0.000422
1185.52	-0.0007992	0.000413
1186	0.000212	0.000401
1186.49	0.0012225	0.000448
1186.97	0.0001728	0.000282
1187.45	-0.0002335	0.00054
1187.93	-0.0008816	0.000317
1188.41	-0.0006704	0.000272
1188.9	0.0000433	0.000531
1189.38	-0.0004575	0.000392
1189.86	-0.0002862	0.000432
1190.34	-0.0003647	0.000338
1190.82	-0.0001252	0.000617
1191.31	-0.0008095	0.000417
1191.79	-0.0003237	0.000323
1192.27	0.0011921	0.00037
1192.75	0.0001824	0.000296
1193.23	0.0005048	0.000289
1193.72	0.0005728	0.000495
1194.2	0.0030702	0.000525
1194.68	0.0078367	0.000301
1195.16	0.004742	0.000279
1195.64	0.000661	0.000305
1196.13	0.0005046	0.000218
1196.61	-0.0006178	0.000424
1197.09	0.0001286	0.000388
1197.57	-0.0001357	0.000219
1198.06	0.0004398	0.000684
1198.54	0.0009857	0.000336
1199.02	0.0000546	0.000366
1199.5	0.0000871	0.00043
1199.98	-0.000904	0.000383
1200.47	-0.0009179	0.000443
1200.95	-0.0010636	0.000417
1201.43	0.0000297	0.000448
1201.91	-0.0005846	0.000598
1202.39	-0.0007074	0.000385
1202.88	-0.0009316	0.00059
1203.36	-0.0005723	0.00041
1203.84	-0.0005015	0.000374
1204.32	-0.0003185	0.000408
1204.8	-0.000207	0.00045
1205.29	-0.0009132	0.000437

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	-7.10E-07	0.000309
1206.25	-0.0011762	0.000408
1206.73	-0.0010325	0.000487
1207.21	-0.0002577	0.000345
1207.7	4.31E-08	0.000418
1208.18	-0.0002318	0.000433
1208.66	-0.0007476	0.000335
1209.14	-0.0010652	0.000399
1209.62	-0.0003269	0.000404
1210.11	-0.0007059	0.000452
1210.59	0.0007948	0.000388
1211.07	-0.0002967	0.000509
1211.55	0.0003393	0.00053
1212.03	0.0022358	0.000352
1212.52	0.0037321	0.000286
1213	0.0008993	0.000372
1213.48	0.0003366	0.000334
1213.96	0.0002159	0.000613
1214.45	-0.0005978	0.000282
1214.93	0.0001324	0.000372
1215.41	-0.0005997	0.000286
1215.89	0.0003209	0.000756
1216.37	-0.0004373	0.000315
1216.86	0.0003869	0.000282
1217.34	0.000513	0.00034
1217.82	0.0002791	0.000476
1218.3	0.0007469	0.00026
1218.78	-0.0001843	0.000251
1219.27	0.0001758	0.000332
1219.75	-0.0003522	0.000319
1220.23	-0.001102	0.00044
1220.71	0.0000249	0.000783
1221.19	-0.0015311	0.000308
1221.68	0.000396	0.000248
1222.16	-0.0000424	0.00065
1222.64	-0.0011321	0.000491
1223.12	0.0006962	0.00042
1223.6	-0.0003724	0.000297
1224.09	-0.0009014	0.000469
1224.57	0.0005771	0.00019
1225.05	0.0007769	0.000309
1225.53	-0.0002809	0.000247
1226.01	0.000435	0.000345
1226.5	-0.0002648	0.000328
1226.98	-0.0004978	0.000263

Ammonia

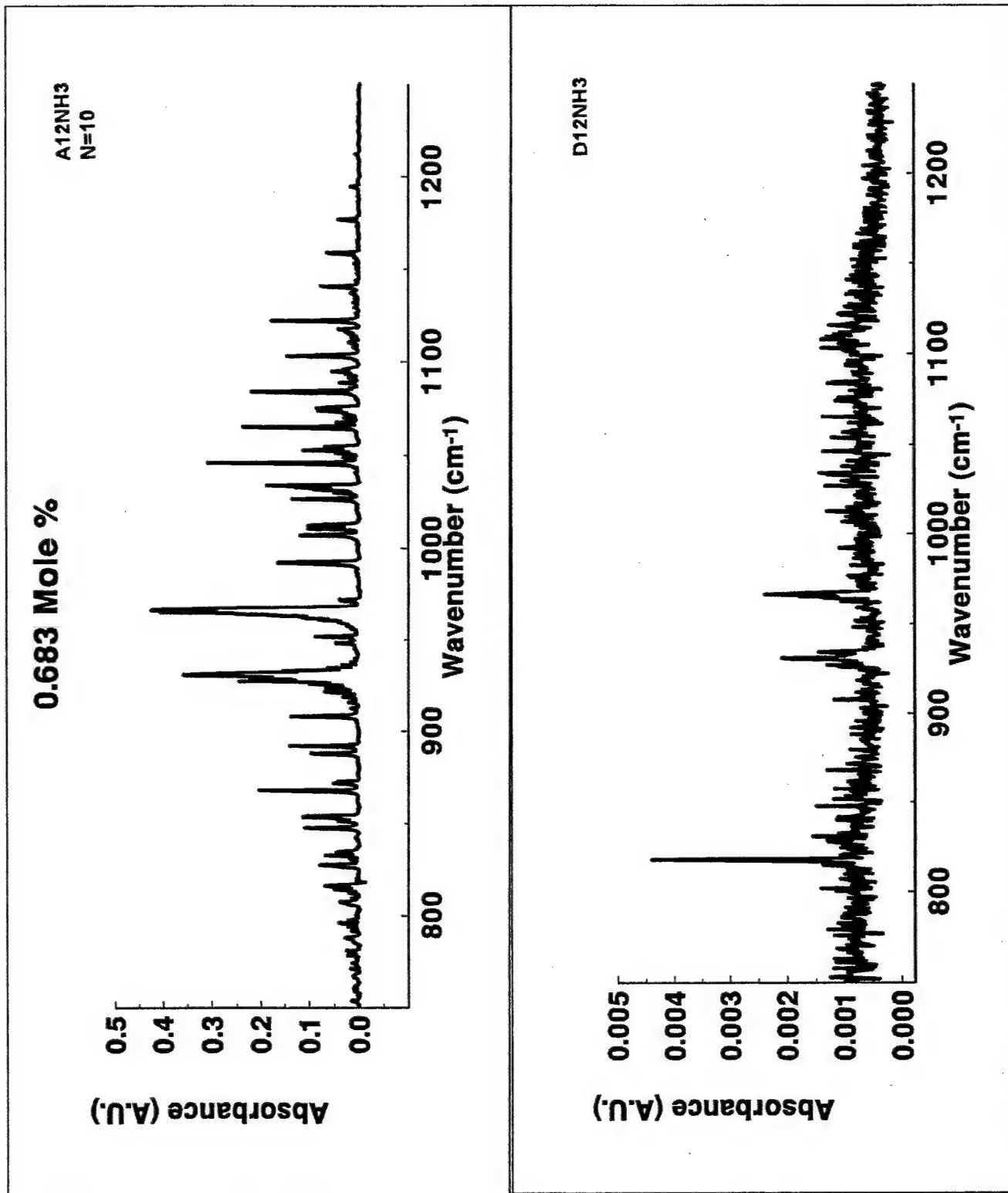
0.268 Mole %

A11NH3

D11NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0001197	0.000442
1227.94	-0.0005454	0.000448
1228.42	-0.0007968	0.000366
1228.91	-0.0007574	0.000462
1229.39	-0.0000784	0.000458
1229.87	0.0009659	0.000323
1230.35	0.001328	0.000333
1230.83	-0.0003727	0.000286
1231.32	0.0006875	0.000311
1231.8	0.0003746	0.000299
1232.28	-0.0008402	0.000288
1232.76	-0.0001031	0.000312
1233.25	-0.0005631	0.000467
1233.73	-0.0007425	0.000551
1234.21	0.0005452	0.000253
1234.69	-0.0003759	0.000288
1235.17	-0.0001726	0.000356
1235.66	-0.0009007	0.000341
1236.14	-0.000426	0.000588
1236.62	-0.0005406	0.000356
1237.1	0.0004455	0.000266
1237.58	0.000492	0.000511
1238.07	0.0001763	0.000524
1238.55	-0.0004566	0.000442
1239.03	-0.0000424	0.000483
1239.51	0.0008732	0.000408
1239.99	0.0003366	0.000478
1240.48	-0.0001074	0.000354
1240.96	-0.0006566	0.000513
1241.44	-0.0006521	0.000534
1241.92	-0.0006234	0.000466
1242.4	-0.0007591	0.000303
1242.89	0.0001479	0.000409
1243.37	-0.0001411	0.000462
1243.85	0.0009697	0.00033
1244.33	0.0001182	0.000267
1244.81	-0.0008282	0.000213
1245.3	-0.0001799	0.000542
1245.78	-0.0012557	0.000531
1246.26	3.38E-06	0.000325
1246.74	-0.0001238	0.000455
1247.22	0.0005122	0.000269
1247.71	-0.0001434	0.00041
1248.19	-0.0006187	0.000365
1248.67	-0.0007202	0.000262

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0001557	0.000394
1249.63	-0.001837	0.000427
1250.12	-0.0002831	0.000552



Ammonia

0.683 Mole %

A12NH3
D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0003766	0.000996
750.677	0.0005379	0.000788
751.159	0.0001584	0.00086
751.641	0.003087	0.000393
752.123	0.0041543	0.000806
752.605	0.0052086	0.001241
753.087	0.0080292	0.001129
753.57	0.0138382	0.000879
754.052	0.0035921	0.000889
754.534	0.0033717	0.000878
755.016	-0.0001143	0.000871
755.498	0.0009263	0.000949
755.98	-0.0001053	0.000735
756.462	0.0034645	0.000568
756.944	-0.0006506	0.000519
757.426	-0.0011707	0.001177
757.909	0.0025067	0.000872
758.391	0.0072776	0.000472
758.873	0.0091951	0.000775
759.355	0.0044728	0.000455
759.837	0.0048042	0.00059
760.319	0.0103384	0.000659
760.801	0.0101171	0.001136
761.283	0.0056992	0.000871
761.766	0.0071029	0.000628
762.248	0.0017973	0.000813
762.73	0.0017369	0.001166
763.212	-0.001074	0.00068
763.694	0.0004847	0.00074
764.176	0.0031218	0.000779
764.658	0.0035217	0.000825
765.14	0.0029343	0.000811
765.622	0.0074159	0.000707
766.105	0.0104086	0.000937
766.587	0.0093959	0.000694
767.069	0.0118516	0.000926
767.551	0.0084077	0.00078
768.033	0.0075254	0.001086
768.515	0.0003774	0.001124
768.997	-0.000304	0.000816
769.479	-0.0007617	0.000826
769.961	0.0007779	0.000492
770.444	0.0067949	0.000951
770.926	0.0154996	0.000581
771.408	-0.0002826	0.000696

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0037634	0.000868
772.372	0.0032149	0.000716
772.854	0.0050047	0.000763
773.336	0.0061645	0.00075
773.818	0.0132616	0.000928
774.301	0.0055029	0.000864
774.783	0.0031455	0.000669
775.265	0.0030534	0.000771
775.747	0.0034897	0.001168
776.229	0.006265	0.00091
776.711	0.0022196	0.000336
777.193	0.002174	0.000799
777.675	0.0061769	0.000668
778.157	0.0223703	0.00085
778.64	0.0051481	0.000908
779.122	0.0079191	0.001282
779.604	0.018509	0.000656
780.086	0.0189693	0.001018
780.568	0.0246859	0.00069
781.05	0.0047055	0.001032
781.532	0.0001774	0.000633
782.014	0.00262	0.000694
782.497	0.0000161	0.001108
782.979	-5.29E-05	0.000876
783.461	-0.002214	0.000642
783.943	-0.000833	0.000754
784.425	0.0030227	0.000692
784.907	0.0077376	0.000734
785.389	0.0108814	0.001043
785.871	0.012026	0.001043
786.353	0.0122369	0.001001
786.836	0.0135594	0.001002
787.318	0.0217142	0.000616
787.8	0.0272822	0.000998
788.282	0.0227608	0.00056
788.764	0.0047089	0.000669
789.246	0.0009235	0.000926
789.728	-0.00019	0.000647
790.21	-0.000853	0.000597
790.692	-0.000394	0.000579
791.175	0.0036253	0.000969
791.657	0.0151036	0.000668
792.139	0.0030654	0.000811
792.621	0.0040218	0.000718
793.103	0.004625	0.000591

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0081535	0.000863
794.067	0.0221831	0.000646
794.549	0.0075237	0.000626
795.032	0.0050164	0.000825
795.514	0.0151331	0.000503
795.996	0.039447	0.000795
796.478	0.0028722	0.000923
796.96	0.0079297	0.000453
797.442	0.0209674	0.000747
797.924	0.013243	0.000798
798.406	0.0087225	0.000832
798.888	0.0020171	0.000741
799.371	0.0030525	0.000912
799.853	0.0027429	0.000783
800.335	0.0057049	0.001138
800.817	0.0046884	0.000752
801.299	0.0032783	0.000541
801.781	0.0035489	0.001396
802.263	0.0007892	0.000535
802.745	0.0022589	0.000879
803.227	-0.0030583	0.000603
803.71	0.0012672	0.000599
804.192	0.0006899	0.000866
804.674	0.0003183	0.000815
805.156	0.0042745	0.000465
805.638	0.0123775	0.000506
806.12	0.0239217	0.000919
806.602	0.022083	0.000932
807.084	0.0301983	0.001063
807.567	0.0373362	0.00067
808.049	0.0102671	0.000747
808.531	0.0056032	0.000896
809.013	0.0052573	0.000693
809.495	0.0148713	0.000994
809.977	0.0051343	0.000514
810.459	0.000064	0.00061
810.941	0.0008317	0.000796
811.423	0.0012703	0.000937
811.906	0.0124109	0.000875
812.388	0.0205038	0.000547
812.87	0.006467	0.00095
813.352	0.0092289	0.000762
813.834	0.0314265	0.000987
814.316	0.0487866	0.001054
814.798	0.0149828	0.001375

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0277619	0.00121
815.762	0.0335642	0.000828
816.245	0.0670417	0.001009
816.727	0.0507977	0.001835
817.209	0.0050295	0.002657
817.691	0.0029571	0.004402
818.173	-0.012825	0.00435
818.655	0.0052754	0.000701
819.137	-0.001321	0.000939
819.619	0.0010688	0.000813
820.102	0.004394	0.001072
820.584	0.0025723	0.000922
821.066	0.0008662	0.001006
821.548	0.0015679	0.000522
822.03	0.0017597	0.000751
822.512	0.0026908	0.000866
822.994	0.0001008	0.00083
823.476	0.0004707	0.00094
823.959	0.000304	0.000614
824.441	0.0008341	0.001063
824.923	0.0000583	0.000972
825.405	0.0035129	0.000679
825.887	0.0111919	0.000678
826.369	0.0333652	0.001038
826.851	0.0444825	0.001039
827.333	0.0772099	0.001175
827.816	0.0729941	0.001279
828.298	0.0069649	0.000865
828.78	0.0067388	0.001297
829.262	0.0046256	0.000656
829.744	0.0042459	0.000737
830.226	0.0135238	0.000629
830.708	0.0190331	0.001546
831.19	0.0048464	0.000647
831.672	0.0078288	0.000616
832.155	0.0288822	0.001097
832.637	0.0669484	0.001015
833.119	0.0134179	0.000752
833.601	0.027567	0.000857
834.083	0.0452798	0.000803
834.565	0.0422592	0.00084
835.047	0.0159733	0.000852
835.529	0.0085074	0.000597
836.011	0.0045725	0.000504
836.494	0.0047928	0.000873

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0014903	0.000811
837.458	0.0011975	0.000862
837.94	-0.0006492	0.00069
838.422	-0.0000933	0.000693
838.904	-0.0001491	0.00077
839.386	-0.0002939	0.00053
839.868	0.0009429	0.001124
840.351	0.0030317	0.000827
840.833	0.002415	0.000492
841.315	0.0023771	0.001101
841.797	0.0056931	0.000849
842.279	0.006335	0.000819
842.761	0.0043949	0.000669
843.243	0.0030373	0.000655
843.725	0.0035192	0.000611
844.207	0.0010578	0.000562
844.69	-0.0001645	0.000711
845.172	0.0019824	0.000593
845.654	0.0052129	0.000478
846.136	0.0084658	0.000696
846.618	0.0241619	0.000756
847.1	0.0715817	0.000625
847.582	0.107738	0.001483
848.064	0.0203782	0.000772
848.546	0.0090562	0.00071
849.029	0.0069608	0.000377
849.511	0.0058896	0.000618
849.993	0.0085875	0.000598
850.475	0.0144756	0.000361
850.957	0.0397284	0.000487
851.439	0.0421741	0.00118
851.921	0.0198175	0.000884
852.403	0.0452709	0.000695
852.886	0.052934	0.000701
853.368	0.110709	0.000973
853.85	0.103879	0.000621
854.332	0.0119764	0.000648
854.814	0.0058474	0.00062
855.296	0.0039439	0.000648
855.778	0.0021046	0.000887
856.26	0.0031156	0.000594
856.742	0.0015247	0.00042
857.225	0.0024513	0.001153
857.707	0.0007802	0.000568
858.189	0.0012315	0.000538

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	-0.001094	0.000474
859.153	0.0001526	0.000594
859.635	0.0004399	0.000891
860.117	0.0005874	0.000553
860.599	0.0010447	0.000583
861.081	0.0025595	0.000835
861.564	0.0033917	0.00093
862.046	0.003927	0.000768
862.528	0.00395	0.00055
863.01	0.0032701	0.00061
863.492	0.0020442	0.000722
863.974	0.0024624	0.000489
864.456	0.0019392	0.000553
864.938	0.0025178	0.000724
865.421	0.0039282	0.00076
865.903	0.0086521	0.000673
866.385	0.0131614	0.000567
866.867	0.0322945	0.000387
867.349	0.112576	0.00054
867.831	0.20259	0.001294
868.313	0.0206538	0.000727
868.795	0.0079943	0.000738
869.277	0.0048821	0.000469
869.76	0.0065154	0.000375
870.242	0.005135	0.000561
870.724	0.009242	0.000418
871.206	0.0205692	0.00094
871.688	0.0506088	0.00089
872.17	0.0352506	0.000654
872.652	0.0411319	0.000648
873.134	0.0041355	0.000674
873.617	0.0018777	0.000519
874.099	0.0006027	0.000439
874.581	0.0013554	0.000547
875.063	0.0011228	0.000787
875.545	0.001265	0.000753
876.027	0.0020224	0.000565
876.509	0.0024235	0.000455
876.991	0.0017174	0.000419
877.474	0.0017738	0.000508
877.956	0.0021609	0.000455
878.438	0.000589	0.000661
878.92	0.0012636	0.000444
879.402	0.0000491	0.000885
879.884	-0.000215	0.000471

Ammonia

0.683 Mole %

A12NH3
D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	-0.0006354	0.000535
880.848	0.001714	0.000402
881.33	0.0012439	0.000574
881.813	0.0008029	0.00058
882.295	0.0026158	0.000533
882.777	0.0038115	0.000626
883.259	0.0032304	0.000618
883.741	0.0023004	0.000582
884.223	0.0032748	0.000685
884.705	0.0023762	0.000573
885.187	0.00195	0.000712
885.669	0.0046344	0.000399
886.152	0.0071447	0.000668
886.634	0.0119401	0.00052
887.116	0.0312021	0.000569
887.598	0.0913841	0.000497
888.08	0.0955078	0.000869
888.562	0.0124839	0.000682
889.044	0.0068479	0.000466
889.526	0.007068	0.000642
890.009	0.0079303	0.000368
890.491	0.0093789	0.000454
890.973	0.0190454	0.000631
891.455	0.0572783	0.000327
891.937	0.138869	0.000881
892.419	0.0246374	0.000814
892.901	0.0044685	0.000499
893.383	0.0024701	0.000429
893.865	0.000312	0.000458
894.348	0.001658	0.000656
894.83	0.0018394	0.000612
895.312	0.0022879	0.000393
895.794	0.0020173	0.000789
896.276	0.0019134	0.000386
896.758	0.0015872	0.000499
897.24	0.0008809	0.000576
897.722	0.0013493	0.000382
898.204	0.0014448	0.000461
898.687	0.000111	0.000388
899.169	-0.0000543	0.000354
899.651	0.0002408	0.00065
900.133	0.0010165	0.000491
900.615	0.0020152	0.000653
901.097	0.0013266	0.000354
901.579	0.0017034	0.000418

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0022606	0.000581
902.544	0.003539	0.000564
903.026	0.0031644	0.0007
903.508	0.0028699	0.00046
903.99	0.003172	0.000257
904.472	0.0047287	0.000501
904.954	0.0045089	0.000525
905.436	0.0042956	0.000463
905.918	0.0078355	0.000533
906.4	0.009609	0.000548
906.883	0.0151103	0.000437
907.365	0.0432938	0.00058
907.847	0.13525	0.001168
908.329	0.093451	0.000796
908.811	0.0191341	0.000688
909.293	0.0095378	0.000481
909.775	0.0062683	0.000557
910.257	0.0048728	0.000682
910.739	0.0049934	0.000609
911.222	0.0053844	0.000403
911.704	0.0064212	0.00079
912.186	0.0155745	0.000437
912.668	0.0036318	0.000649
913.15	0.00206	0.000682
913.632	0.0008967	0.000528
914.114	0.0032334	0.000555
914.596	0.0038743	0.000362
915.079	0.0091559	0.000528
915.561	0.0205228	0.000467
916.043	0.0086793	0.000401
916.525	0.0092556	0.00066
917.007	0.0065766	0.00055
917.489	0.0079824	0.00055
917.971	0.014361	0.000616
918.453	0.0318139	0.000769
918.935	0.0115979	0.000595
919.418	0.0099396	0.000678
919.9	0.0103051	0.000493
920.382	0.0200767	0.000488
920.864	0.0542659	0.000662
921.346	0.0681232	0.000473
921.828	0.0263648	0.000404
922.31	0.0186769	0.00024
922.792	0.029149	0.00047
923.275	0.0666879	0.000594

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0608979	0.000607
924.239	0.0330749	0.000738
924.721	0.0335248	0.000389
925.203	0.0717464	0.000495
925.685	0.0988889	0.000766
926.167	0.0584495	0.001094
926.649	0.100115	0.000676
927.132	0.24498	0.001293
927.614	0.126806	0.000847
928.096	0.136859	0.000698
928.578	0.222392	0.001007
929.06	0.19529	0.00103
929.542	0.175086	0.00079
930.024	0.266908	0.001211
930.506	0.353166	0.001897
930.988	0.356785	0.002087
931.471	0.30897	0.00128
931.953	0.227993	0.000991
932.435	0.124928	0.000972
932.917	0.152895	0.000844
933.399	0.0409922	0.000817
933.881	0.060688	0.00134
934.363	0.0618247	0.001442
934.845	0.0179924	0.00118
935.328	0.0260219	0.000603
935.81	0.0329642	0.000621
936.292	0.0068894	0.000477
936.774	0.0098652	0.000665
937.256	0.0156912	0.000501
937.738	0.0094711	0.000329
938.22	0.0055846	0.000351
938.702	0.0087798	0.000335
939.184	0.0088878	0.000603
939.667	0.0048978	0.000513
940.149	0.0029926	0.000447
940.631	0.0041246	0.000422
941.113	0.0028373	0.000593
941.595	0.0016586	0.000489
942.077	0.0021701	0.000572
942.559	0.0050378	0.00057
943.041	0.0033736	0.000499
943.523	0.0048292	0.000397
944.006	0.0064374	0.000393
944.488	0.0066635	0.00044
944.97	0.0098208	0.000443

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0094816	0.000513
945.934	0.0094035	0.000586
946.416	0.0096481	0.000504
946.898	0.0093919	0.00051
947.38	0.0182971	0.000352
947.863	0.0450199	0.000603
948.345	0.0453552	0.000832
948.827	0.0139748	0.000499
949.309	0.0164751	0.000409
949.791	0.0106717	0.0005
950.273	0.0126162	0.000353
950.755	0.0167529	0.000322
951.237	0.041929	0.000769
951.719	0.0868465	0.000801
952.202	0.012851	0.000564
952.684	0.0058288	0.000465
953.166	0.0074696	0.000697
953.648	0.0050799	0.000468
954.13	0.0069855	0.000458
954.612	0.0073554	0.000445
955.094	0.0067736	0.000529
955.576	0.0093479	0.000415
956.058	0.0155472	0.000386
956.541	0.0124091	0.000486
957.023	0.0149707	0.000448
957.505	0.0240027	0.000416
957.987	0.0258551	0.000668
958.469	0.0217567	0.0005
958.951	0.0301683	0.000773
959.433	0.0416052	0.000617
959.915	0.0366696	0.000637
960.398	0.0466115	0.000644
960.88	0.0805667	0.000523
961.362	0.0618597	0.00065
961.844	0.103044	0.000385
962.326	0.112488	0.001053
962.808	0.105202	0.000644
963.29	0.172995	0.000696
963.772	0.166374	0.000579
964.254	0.251418	0.001348
964.737	0.255308	0.001104
965.219	0.405613	0.001793
965.701	0.293544	0.00115
966.183	0.422441	0.00238
966.665	0.416866	0.002124

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.379532	0.001893
967.629	0.209668	0.001212
968.111	0.0514236	0.000567
968.594	0.0108042	0.00067
969.076	0.0046585	0.000507
969.558	0.0041751	0.000441
970.04	0.005585	0.000677
970.522	0.0069562	0.000756
971.004	0.0128866	0.000502
971.486	0.0361515	0.000756
971.968	0.0384151	0.000744
972.45	0.0049433	0.000451
972.933	0.0007871	0.000637
973.415	-0.0003314	0.000771
973.897	-0.0017454	0.000724
974.379	-0.0008115	0.000717
974.861	-0.0018109	0.000547
975.343	-0.0010234	0.000634
975.825	-0.0018302	0.000883
976.307	-0.0001105	0.000853
976.79	-0.0026255	0.000914
977.272	0.001182	0.000346
977.754	0.0006828	0.000648
978.236	0.0010267	0.000486
978.718	0.0023874	0.000443
979.2	0.0000189	0.000565
979.682	0.0009344	0.000553
980.164	0.0012712	0.000415
980.646	0.000037	0.000566
981.129	-0.0003107	0.000483
981.611	-0.0001418	0.000556
982.093	0.0004048	0.00041
982.575	-0.0002249	0.000874
983.057	0.0009318	0.000325
983.539	0.0012144	0.000477
984.021	0.0011653	0.00059
984.503	0.0019351	0.000676
984.986	0.0042425	0.00069
985.468	0.0036024	0.0005
985.95	0.003513	0.00054
986.432	0.0026995	0.000822
986.914	0.0050055	0.000564
987.396	0.0062129	0.000683
987.878	0.0051248	0.000572
988.36	0.0029201	0.000634

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0027519	0.0008
989.325	0.0056059	0.000518
989.807	0.0084288	0.00048
990.289	0.0107164	0.000491
990.771	0.0221335	0.000641
991.253	0.0521384	0.000794
991.735	0.102154	0.000549
992.217	0.162996	0.00107
992.699	0.162079	0.00094
993.181	0.0140793	0.000511
993.664	0.0041946	0.000566
994.146	0.0022364	0.000721
994.628	-0.000499	0.000762
995.11	-0.001246	0.000505
995.592	-0.00068	0.00056
996.074	0.0004464	0.000776
996.556	0.0007399	0.00058
997.038	0.00064	0.000791
997.521	0.0009089	0.000631
998.003	0.002542	0.000515
998.485	0.0032437	0.000371
998.967	0.0018899	0.000367
999.449	0.0022422	0.000739
999.931	0.003551	0.000634
1000.41	0.0025216	0.000722
1000.89	0.0021205	0.00038
1001.37	0.0020338	0.000568
1001.86	0.0007819	0.000448
1002.34	0.0041008	0.000394
1002.82	0.0028926	0.000403
1003.3	0.0025173	0.000715
1003.78	0.0032466	0.000661
1004.27	0.0053875	0.000432
1004.75	0.0073155	0.000791
1005.23	0.0115874	0.000673
1005.71	0.014018	0.000451
1006.19	0.0195293	0.00071
1006.68	0.0455445	0.001019
1007.16	0.117802	0.000867
1007.64	0.105414	0.000898
1008.12	0.015015	0.000494
1008.6	0.0064157	0.00051
1009.09	0.0065995	0.000595
1009.57	0.006443	0.000959
1010.05	0.0152233	0.000468

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0420704	0.000436
1011.02	0.102045	0.000866
1011.5	0.0299473	0.000653
1011.98	0.0548961	0.000667
1012.46	0.101891	0.001285
1012.94	0.089077	0.001021
1013.43	0.01763	0.000702
1013.91	0.0045351	0.000804
1014.39	0.0025498	0.000564
1014.87	0.0008843	0.000936
1015.35	0.0023758	0.000539
1015.84	-0.0010015	0.00043
1016.32	0.0001295	0.000705
1016.8	-0.0013223	0.000795
1017.28	-0.000087	0.000385
1017.77	0.0007424	0.000566
1018.25	0.0004129	0.000517
1018.73	0.0008506	0.000642
1019.21	0.0029608	0.000505
1019.69	0.0024126	0.000565
1020.18	0.002993	0.000759
1020.66	0.0042618	0.000513
1021.14	0.0048522	0.000667
1021.62	0.0036817	0.000802
1022.1	0.002811	0.000453
1022.59	0.0054602	0.00058
1023.07	0.004629	0.000639
1023.55	0.0019283	0.000755
1024.03	0.0029952	0.000694
1024.52	0.0060369	0.000657
1025	0.0087738	0.000469
1025.48	0.00949	0.000515
1025.96	0.0230473	0.000531
1026.44	0.0616246	0.000715
1026.93	0.133732	0.001319
1027.41	0.0137153	0.000607
1027.89	0.0068245	0.000649
1028.37	0.0054626	0.000523
1028.85	0.0063809	0.000901
1029.34	0.0111481	0.000833
1029.82	0.0271663	0.001033
1030.3	0.0498544	0.000744
1030.78	0.0177417	0.000845
1031.26	0.0338638	0.000854
1031.75	0.0863182	0.00041

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.0926424	0.000842
1032.71	0.0567646	0.000915
1033.19	0.126912	0.001284
1033.67	0.127289	0.001121
1034.16	0.186531	0.001422
1034.64	0.0138704	0.00085
1035.12	0.0047566	0.000459
1035.6	0.0007129	0.000636
1036.08	-0.000633	0.000566
1036.57	0.0014913	0.000849
1037.05	0.0015833	0.00063
1037.53	0.0009806	0.000576
1038.01	0.0017962	0.001027
1038.49	0.0028078	0.000398
1038.98	0.0039882	0.000783
1039.46	0.0035559	0.000536
1039.94	0.0047561	0.000394
1040.42	0.0050272	0.000619
1040.9	0.0076078	0.000934
1041.39	0.0041611	0.000579
1041.87	0.003243	0.000714
1042.35	0.0036326	0.000654
1042.83	0.005386	0.000447
1043.32	0.004422	0.000657
1043.8	0.0079062	0.000601
1044.28	0.013665	0.000211
1044.76	0.0173849	0.000572
1045.24	0.045073	0.000797
1045.73	0.12597	0.000699
1046.21	0.307486	0.001365
1046.69	0.0575961	0.00094
1047.17	0.0148241	0.000703
1047.65	0.00935	0.000743
1048.14	0.0086197	0.000528
1048.62	0.0160378	0.000784
1049.1	0.031739	0.000554
1049.58	0.0103579	0.000527
1050.06	0.0063448	0.00071
1050.55	0.0132063	0.000754
1051.03	0.0312902	0.00049
1051.51	0.0473926	0.000741
1051.99	0.0200995	0.000756
1052.47	0.0484672	0.000743
1052.96	0.111379	0.000734
1053.44	0.0324785	0.000754

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0559974	0.001207
1054.4	0.0601584	0.000472
1054.88	0.0677727	0.000701
1055.37	0.0082664	0.000714
1055.85	0.0029051	0.000862
1056.33	0.0014516	0.000599
1056.81	0.0008139	0.00101
1057.29	0.0007385	0.000699
1057.78	0.0001351	0.000865
1058.26	0.0018883	0.000732
1058.74	0.0031718	0.000624
1059.22	0.0025121	0.000714
1059.71	0.0042967	0.000634
1060.19	0.0054677	0.000694
1060.67	0.004658	0.000747
1061.15	0.0049492	0.000516
1061.63	0.0057747	0.000338
1062.12	0.0060104	0.000907
1062.6	0.0051499	0.000689
1063.08	0.0084952	0.000413
1063.56	0.009705	0.000581
1064.04	0.0137177	0.000463
1064.53	0.0392972	0.000704
1065.01	0.111886	0.000772
1065.49	0.235938	0.00136
1065.97	0.0230876	0.000548
1066.45	0.0092423	0.000608
1066.94	0.0102126	0.000643
1067.42	0.0240559	0.000768
1067.9	0.0454363	0.000797
1068.38	0.0084164	0.000596
1068.86	0.0064189	0.000659
1069.35	0.0067104	0.000709
1069.83	0.0163397	0.000461
1070.31	0.0295746	0.000371
1070.79	0.0152233	0.000808
1071.27	0.0086779	0.000767
1071.76	0.0159708	0.00078
1072.24	0.0292945	0.00061
1072.72	0.0323375	0.00079
1073.2	0.0242378	0.000829
1073.68	0.0495492	0.000718
1074.17	0.0816121	0.001145
1074.65	0.0363071	0.000822
1075.13	0.0814457	0.000841

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.0851521	0.000763
1076.09	0.061472	0.001087
1076.58	0.0065414	0.000512
1077.06	0.001721	0.000564
1077.54	0.0015492	0.000776
1078.02	0.0008912	0.000795
1078.51	0.001815	0.000617
1078.99	0.0028381	0.000497
1079.47	0.0025396	0.000588
1079.95	0.0023258	0.000893
1080.43	0.0053554	0.000343
1080.92	0.0069836	0.00038
1081.4	0.0073101	0.000709
1081.88	0.0091975	0.000644
1082.36	0.0131403	0.000779
1082.84	0.0162094	0.000541
1083.33	0.030949	0.000821
1083.81	0.0877491	0.001273
1084.29	0.218039	0.001232
1084.77	0.105537	0.001139
1085.25	0.0207392	0.000586
1085.74	0.0147035	0.000583
1086.22	0.0191551	0.000568
1086.7	0.0055237	0.000711
1087.18	0.005471	0.000692
1087.66	0.0057871	0.000742
1088.15	0.0086858	0.000777
1088.63	0.0183838	0.000826
1089.11	0.0382728	0.000506
1089.59	0.0118402	0.000828
1090.07	0.0037121	0.000841
1090.56	0.0038248	0.00064
1091.04	0.0089271	0.000634
1091.52	0.0198496	0.000585
1092	0.0103696	0.000716
1092.48	0.0059175	0.000593
1092.97	0.0138322	0.000637
1093.45	0.0272353	0.000956
1093.93	0.0166546	0.000685
1094.41	0.0250841	0.000956
1094.9	0.0537817	0.00069
1095.38	0.0218678	0.000833
1095.86	0.0323743	0.000682
1096.34	0.0235321	0.000918
1096.82	0.0146136	0.000469

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.003283	0.000691
1097.79	0.0029633	0.000491
1098.27	0.001579	0.000646
1098.75	0.0003498	0.00034
1099.23	0.0024251	0.000877
1099.72	0.0026606	0.000749
1100.2	0.0045868	0.000776
1100.68	0.005417	0.000745
1101.16	0.0102223	0.00096
1101.64	0.011917	0.000971
1102.13	0.02006	0.001031
1102.61	0.0586691	0.000812
1103.09	0.144409	0.001384
1103.57	0.109968	0.001095
1104.05	0.0224392	0.000934
1104.54	0.0082072	0.000576
1105.02	0.0040307	0.000565
1105.5	0.0019582	0.00109
1105.98	0.0020547	0.000762
1106.46	0.0032195	0.000788
1106.95	0.0048932	0.000753
1107.43	0.0103444	0.000903
1107.91	0.0114765	0.00139
1108.39	0.0053023	0.001008
1108.87	0.0031834	0.000993
1109.36	0.0046743	0.001305
1109.84	0.0094437	0.000864
1110.32	0.0195739	0.001047
1110.8	0.0167545	0.001168
1111.28	0.0037226	0.000884
1111.77	0.0015254	0.001066
1112.25	0.0059517	0.00071
1112.73	0.0148633	0.000642
1113.21	0.0044117	0.000834
1113.7	0.0056538	0.000748
1114.18	0.0102501	0.000536
1114.66	0.021033	0.00097
1115.14	0.0110549	0.00074
1115.62	0.0211318	0.001251
1116.11	0.0277446	0.000951
1116.59	0.0232242	0.000944
1117.07	0.0303724	0.000726
1117.55	0.0413617	0.000721
1118.03	0.0027628	0.000403
1118.52	0.0020071	0.000479

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0001632	0.000787
1119.48	0.0031272	0.000618
1119.96	0.006244	0.00068
1120.44	0.0090937	0.000444
1120.93	0.0244314	0.001043
1121.41	0.0711226	0.000794
1121.89	0.176803	0.001089
1122.37	0.0422805	0.001017
1122.85	0.0099546	0.00078
1123.34	0.0069834	0.000448
1123.82	0.0032557	0.000768
1124.3	0.0016346	0.000532
1124.78	0.0026917	0.000496
1125.26	0.0039446	0.000832
1125.75	0.0063759	0.000973
1126.23	0.0023315	0.000571
1126.71	0.0007733	0.000551
1127.19	0.0003158	0.000898
1127.67	0.0010434	0.000432
1128.16	0.0023802	0.000645
1128.64	0.005805	0.000478
1129.12	0.0099882	0.000666
1129.6	0.0039735	0.000702
1130.09	0.0029528	0.000691
1130.57	0.0024043	0.000473
1131.05	0.0067525	0.000781
1131.53	0.0113065	0.000751
1132.01	0.0075516	0.000351
1132.5	0.0019081	0.00095
1132.98	0.0020861	0.000776
1133.46	0.0029245	0.000397
1133.94	0.0075895	0.000887
1134.42	0.0017408	0.000671
1134.91	0.0045427	0.000618
1135.39	0.0097171	0.000531
1135.87	0.0058102	0.000588
1136.35	0.0098214	0.000324
1136.83	0.0158135	0.00073
1137.32	0.0122309	0.000536
1137.8	0.0112591	0.000638
1138.28	0.0053327	0.000454
1138.76	0.0067298	0.000603
1139.24	0.0104065	0.00082
1139.73	0.0268177	0.000606
1140.21	0.0659418	0.000489

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0755793	0.000944
1141.17	0.0087262	0.000819
1141.65	0.0043674	0.000503
1142.14	0.0027085	0.000468
1142.62	0.0031209	0.000399
1143.1	0.0043611	0.00087
1143.58	0.0062467	0.000431
1144.06	0.0052186	0.00076
1144.55	0.0008202	0.000616
1145.03	0.0002601	0.000559
1145.51	0.0001046	0.000779
1145.99	0.0010756	0.000551
1146.48	0.000158	0.000507
1146.96	0.0010931	0.000601
1147.44	0.0039851	0.000531
1147.92	0.00162	0.00083
1148.4	0.0004155	0.000535
1148.89	0.001273	0.000579
1149.37	0.0021407	0.000708
1149.85	0.0031867	0.000752
1150.33	0.0051864	0.000418
1150.81	0.0004464	0.000535
1151.3	0.0010506	0.000466
1151.78	0.0015654	0.000853
1152.26	0.0040044	0.000276
1152.74	0.0088967	0.000551
1153.22	0.0001027	0.000522
1153.71	0.0014067	0.000721
1154.19	0.0013646	0.000561
1154.67	0.0055572	0.00048
1155.15	0.0022322	0.000583
1155.63	0.0035707	0.000703
1156.12	0.0087634	0.000528
1156.6	0.0080556	0.000349
1157.08	0.0114638	0.000494
1157.56	0.0103608	0.000641
1158.04	0.0274731	0.000692
1158.53	0.0582718	0.00081
1159.01	0.0635828	0.000295
1159.49	0.0050768	0.000362
1159.97	0.0004783	0.00081
1160.45	-0.0005388	0.00028
1160.94	0.0006606	0.000302
1161.42	0.0022872	0.000438
1161.9	0.0003226	0.000696

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.000273	0.000632
1162.86	0.0017049	0.0003
1163.35	0.0009218	0.000468
1163.83	0.0016002	0.000279
1164.31	0.0018133	0.000276
1164.79	0.0031647	0.00042
1165.28	0.0038912	0.000391
1165.76	0.0003864	0.000522
1166.24	-0.000611	0.000752
1166.72	-0.00082	0.000523
1167.2	-0.000971	0.000502
1167.69	0.0006531	0.000408
1168.17	0.0000695	0.000411
1168.65	0.0021526	0.000686
1169.13	-0.000494	0.000372
1169.61	0.000696	0.00034
1170.1	0.0014122	0.000549
1170.58	0.0016191	0.000531
1171.06	0.0026488	0.000284
1171.54	0.0023201	0.000412
1172.02	0.0017673	0.000455
1172.51	0.0011975	0.000622
1172.99	0.0037712	0.000402
1173.47	0.0045185	0.000435
1173.95	0.0004193	0.00062
1174.43	0.0015644	0.000323
1174.92	0.0013867	0.000429
1175.4	0.0026365	0.000341
1175.88	0.0067343	0.000634
1176.36	0.0187658	0.000337
1176.84	0.0406065	0.000601
1177.33	0.0130576	0.000406
1177.81	0.0041159	0.000646
1178.29	0.0045249	0.000266
1178.77	0.0023796	0.000627
1179.25	-0.000538	0.00046
1179.74	0.0002851	0.000399
1180.22	0.0000195	0.000553
1180.7	-0.001297	0.000625
1181.18	-0.000193	0.000271
1181.67	-0.000373	0.000293
1182.15	0.0003806	0.000345
1182.63	0.0010045	0.000464
1183.11	0.000793	0.000513
1183.59	0.0007596	0.000432

Ammonia

0.683 Mole %

A12NH3

D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.001017	0.000411
1184.56	0.0000868	0.000341
1185.04	0.0014163	0.000288
1185.52	0.0006362	0.000371
1186	0.0011737	0.000338
1186.49	0.0015763	0.000353
1186.97	0.0010353	0.000446
1187.45	-0.00021	0.000358
1187.93	-0.0008117	0.000571
1188.41	-0.0005361	0.000248
1188.9	-0.0002583	0.000314
1189.38	0.0017383	0.000316
1189.86	0.0015606	0.000365
1190.34	0.0007805	0.000453
1190.82	0.0012046	0.000548
1191.31	0.0016166	0.000489
1191.79	0.0017309	0.000532
1192.27	0.0015461	0.000226
1192.75	0.0013203	0.00029
1193.23	0.0009966	0.000276
1193.72	0.0027039	0.00023
1194.2	0.0069334	0.00031
1194.68	0.0167011	0.000483
1195.16	0.0122721	0.000262
1195.64	0.0022549	0.000519
1196.13	0.0006791	0.000428
1196.61	0.0012937	0.000468
1197.09	0.0014736	0.000663
1197.57	0.0023839	0.000401
1198.06	0.0023289	0.000566
1198.54	0.0023935	0.000461
1199.02	0.0013259	0.000257
1199.5	0.0001856	0.000574
1199.98	-0.0003315	0.000263
1200.47	-0.0006174	0.000493
1200.95	-0.0010497	0.000327
1201.43	-0.0013636	0.000492
1201.91	-0.0004466	0.000416
1202.39	-0.0006095	0.000197
1202.88	0.0002199	0.000434
1203.36	0.0005979	0.000357
1203.84	0.0011152	0.000434
1204.32	0.0014034	0.000648
1204.8	0.0004618	0.000457
1205.29	0.0002215	0.000406

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0003399	0.000305
1206.25	-0.000636	0.0003
1206.73	0.0004352	0.000322
1207.21	-0.000447	0.000334
1207.7	-0.00047	0.000409
1208.18	-0.000815	0.000466
1208.66	-0.000304	0.00051
1209.14	-0.000851	0.000319
1209.62	0.0001929	0.000521
1210.11	0.000759	0.000336
1210.59	0.0014472	0.00037
1211.07	0.0016513	0.000525
1211.55	0.0027717	0.000458
1212.03	0.0052405	0.000342
1212.52	0.0080896	0.00058
1213	0.0034288	0.000435
1213.48	0.001692	0.000362
1213.96	0.0008184	0.00038
1214.45	-0.000167	0.000456
1214.93	-0.00105	0.000426
1215.41	-0.001051	0.000363
1215.89	-0.00032	0.000418
1216.37	-1.45E-05	0.000424
1216.86	0.0007939	0.00037
1217.34	0.0012044	0.000307
1217.82	0.0011923	0.000425
1218.3	0.0019058	0.000494
1218.78	0.0008472	0.000252
1219.27	0.0000421	0.000273
1219.75	0.0009596	0.000554
1220.23	0.000103	0.000316
1220.71	8.39E-06	0.000462
1221.19	-0.001072	0.000576
1221.68	-0.00102	0.000267
1222.16	8.34E-06	0.000414
1222.64	-0.001348	0.000328
1223.12	0.0000497	0.000399
1223.6	-0.000188	0.000417
1224.09	0.0008268	0.000384
1224.57	0.0013562	0.000273
1225.05	0.00216	0.000383
1225.53	0.0020274	0.000305
1226.01	-0.000623	0.000337
1226.5	0.0006781	0.000421
1226.98	0.0000116	0.000544

Ammonia

0.683 Mole %

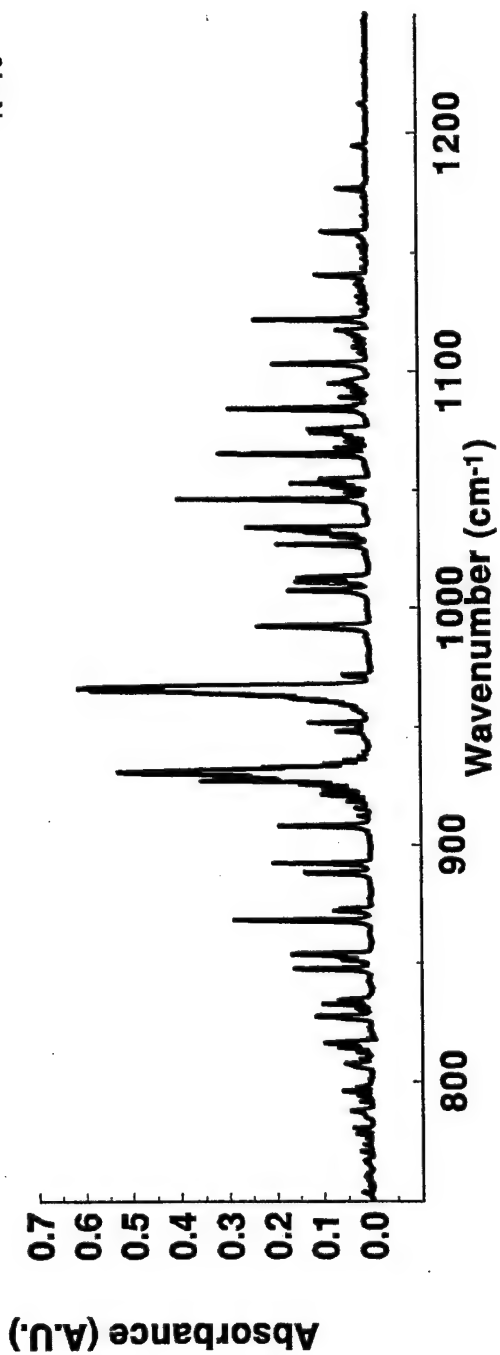
A12NH3
D12NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	-0.0001259	0.000366
1227.94	-0.0005396	0.000355
1228.42	-0.0000854	0.000148
1228.91	-0.0006559	0.000522
1229.39	-0.0001623	0.0004
1229.87	0.002223	0.000354
1230.35	0.0022379	0.000334
1230.83	0.0005241	0.000467
1231.32	0.0013625	0.00032
1231.8	0.0008387	0.000313
1232.28	0.0018989	0.000399
1232.76	0.0008284	0.000332
1233.25	0.0003887	0.000556
1233.73	-0.0000703	0.000362
1234.21	-0.0000467	0.00043
1234.69	-0.0004074	0.000582
1235.17	-0.0009219	0.0003
1235.66	-0.0002852	0.0003
1236.14	0.0004738	0.000438
1236.62	-0.0000351	0.000238
1237.1	-0.0003383	0.000437
1237.58	0.0006574	0.000393
1238.07	0.0011346	0.000526
1238.55	0.0008369	0.000515
1239.03	0.0015441	0.00033
1239.51	0.0006555	0.000328
1239.99	0.00004	0.000307
1240.48	0.0007229	0.000454
1240.96	-0.0004347	0.000436
1241.44	-0.000725	0.000239
1241.92	-0.0008716	0.000487
1242.4	-0.0009425	0.000439
1242.89	0.0001393	0.000526
1243.37	-0.0000666	0.000392
1243.85	0.0011422	0.000367
1244.33	0.000677	0.000567
1244.81	0.0006395	0.000407
1245.3	0.0008699	0.000464
1245.78	0.0011747	0.000423
1246.26	0.0007618	0.000478
1246.74	0.0005974	0.000381
1247.22	0.0021507	0.00032
1247.71	-0.0000202	0.000362
1248.19	-0.0007197	0.000336
1248.67	-0.0007675	0.000292

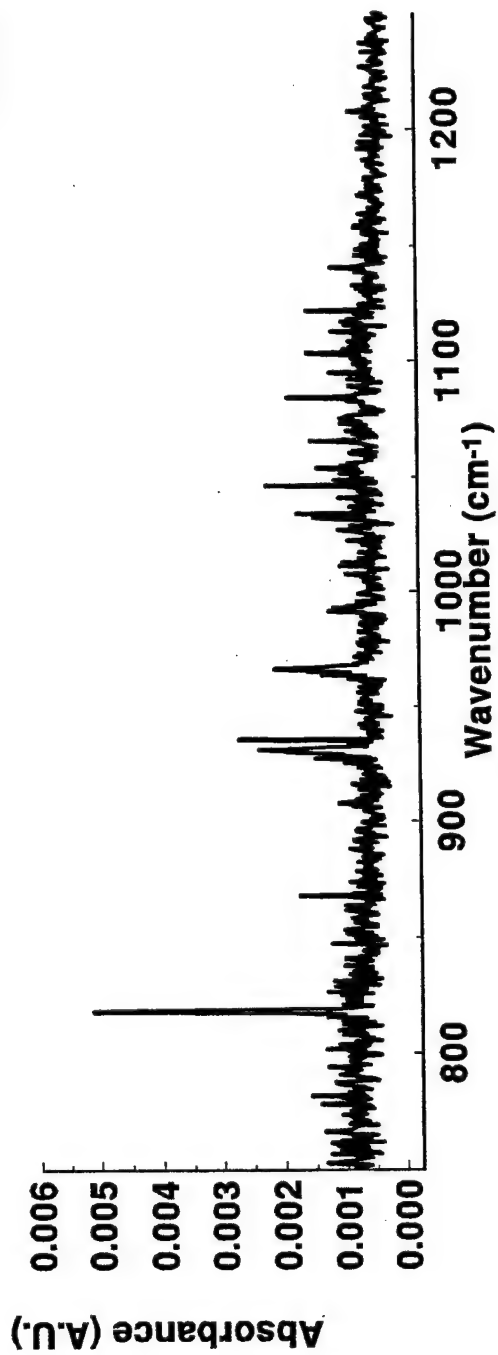
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.000434	0.000483
1249.63	-0.001379	0.000415
1250.12	-0.000876	0.000316

0.897 Mole %

A13NH3
N=10



D13NH3



Ammonia

0.897 Mole %

A13NH3
D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0000477	0.00088
750.677	-8.49E-06	0.000759
751.159	0.0014707	0.000673
751.641	0.0028112	0.000602
752.123	0.0045651	0.000969
752.605	0.0032007	0.001314
753.087	0.0082767	0.001132
753.57	0.0192386	0.000919
754.052	0.0023225	0.000891
754.534	-0.0005987	0.000706
755.016	0.0012791	0.000589
755.498	0.0057801	0.000809
755.98	-0.0000668	0.000795
756.462	0.0061392	0.001243
756.944	-0.0001703	0.000452
757.426	0.001009	0.00057
757.909	0.0038972	0.00111
758.391	0.007255	0.000669
758.873	0.0105519	0.000976
759.355	0.0050333	0.000652
759.837	0.0058915	0.001133
760.319	0.0140649	0.001178
760.801	0.0129464	0.00069
761.283	0.0070681	0.001256
761.766	0.0103436	0.000402
762.248	0.0026496	0.001099
762.73	0.0040767	0.000711
763.212	0.0002774	0.00062
763.694	0.0025848	0.000805
764.176	0.0044354	0.000914
764.658	0.0059057	0.000506
765.14	0.0063851	0.00091
765.622	0.0098202	0.001045
766.105	0.0136257	0.001343
766.587	0.0096122	0.001066
767.069	0.015945	0.00092
767.551	0.0096805	0.000909
768.033	0.009317	0.00087
768.515	0.0008727	0.000858
768.997	0.0004335	0.000508
769.479	0.0013777	0.000949
769.961	0.0016702	0.000946
770.444	0.0109732	0.000863
770.926	0.0225589	0.000646
771.408	0.0033888	0.000759

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.003251	0.00084
772.372	0.0041557	0.000924
772.854	0.0041494	0.000754
773.336	0.0077549	0.001068
773.818	0.0164499	0.000688
774.301	0.0042759	0.000753
774.783	0.004863	0.000943
775.265	0.0031349	0.000815
775.747	0.0061323	0.000905
776.229	0.0126359	0.000566
776.711	0.0018875	0.000866
777.193	0.0037843	0.000609
777.675	0.0095695	0.000681
778.157	0.0327001	0.001412
778.64	0.0034943	0.000734
779.122	0.0119332	0.000969
779.604	0.0248415	0.000881
780.086	0.0294033	0.000616
780.568	0.0370546	0.00109
781.05	0.004384	0.000678
781.532	0.0018524	0.001553
782.014	-0.000297	0.00071
782.497	0.0018175	0.000916
782.979	0.0001887	0.000971
783.461	0.00057	0.000823
783.943	0.0022782	0.000762
784.425	0.0041702	0.000608
784.907	0.0118722	0.000886
785.389	0.0153078	0.000708
785.871	0.01524	0.000955
786.353	0.0168244	0.001059
786.836	0.0194709	0.001156
787.318	0.0302026	0.00118
787.8	0.0415675	0.000879
788.282	0.0299037	0.000489
788.764	0.0068415	0.000536
789.246	0.0011934	0.000654
789.728	0.0006223	0.000845
790.21	0.000496	0.000796
790.692	0.0014316	0.001105
791.175	0.0066541	0.000955
791.657	0.0230946	0.00085
792.139	0.001339	0.00083
792.621	0.0043407	0.000774
793.103	0.0037666	0.00103

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0094678	0.000948
794.067	0.028378	0.001291
794.549	0.0077168	0.000887
795.032	0.0061988	0.000628
795.514	0.0184213	0.000913
795.996	0.0585	0.000833
796.478	0.0045781	0.00094
796.96	0.0126682	0.000812
797.442	0.0322894	0.000779
797.924	0.0209685	0.000716
798.406	0.0118544	0.000951
798.888	0.0048122	0.00057
799.371	0.0036651	0.000436
799.853	0.0023575	0.000567
800.335	0.0040699	0.000897
800.817	0.0057521	0.000972
801.299	0.0019348	0.000702
801.781	0.0008152	0.001313
802.263	0.001704	0.000726
802.745	0.0010112	0.0007
803.227	0.001166	0.000635
803.71	-0.0009655	0.00111
804.192	0.0036743	0.000911
804.674	0.0022678	0.000607
805.156	0.0077395	0.000844
805.638	0.0199305	0.00043
806.12	0.036444	0.000617
806.602	0.0316218	0.000558
807.084	0.0431744	0.000744
807.567	0.0532684	0.000727
808.049	0.0115268	0.001052
808.531	0.0066273	0.000667
809.013	0.0095544	0.000819
809.495	0.0234479	0.000726
809.977	0.0061569	0.001124
810.459	0.0041478	0.001042
810.941	0.0035291	0.000805
811.423	0.0048516	0.000693
811.906	0.0197415	0.000426
812.388	0.0300611	0.001046
812.87	0.0089701	0.000963
813.352	0.01235	0.000537
813.834	0.0455489	0.001063
814.316	0.068707	0.000694
814.798	0.0258393	0.000974

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0459705	0.000669
815.762	0.0488018	0.001303
816.245	0.0970371	0.001078
816.727	0.0691963	0.001032
817.209	0.0109332	0.001403
817.691	-0.0075302	0.001936
818.173	0.0082089	0.005115
818.655	-0.0055167	0.004252
819.137	-0.0017526	0.001266
819.619	0.0014156	0.0009
820.102	-0.001089	0.000787
820.584	0.0011095	0.00058
821.066	0.0030197	0.001063
821.548	0.0046826	0.000859
822.03	0.0033277	0.000819
822.512	0.0055261	0.000766
822.994	0.0035696	0.000995
823.476	0.0022984	0.001001
823.959	0.0020958	0.000748
824.441	0.00345	0.000902
824.923	0.0020908	0.000975
825.405	0.007137	0.001097
825.887	0.0171095	0.000567
826.369	0.0516978	0.001291
826.851	0.0631813	0.000745
827.333	0.113897	0.000875
827.816	0.105081	0.000666
828.298	0.0113528	0.000863
828.78	0.0097609	0.00118
829.262	0.0057608	0.000588
829.744	0.0073499	0.000456
830.226	0.019412	0.000828
830.708	0.0312416	0.001011
831.19	0.0085098	0.001183
831.672	0.0112785	0.000541
832.155	0.0452302	0.000421
832.637	0.100488	0.000588
833.119	0.018286	0.000837
833.601	0.0398028	0.000897
834.083	0.0679083	0.000936
834.565	0.0619364	0.000501
835.047	0.0214049	0.000668
835.529	0.0077083	0.000877
836.011	0.0071276	0.000562
836.494	0.0044371	0.000821

A13NH3

Ammonia

0.897 Mole %

A13NH3
D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0021377	0.000592
837.458	0.0027116	0.000565
837.94	0.0003838	0.001016
838.422	0.0013573	0.000733
838.904	0.0006902	0.000681
839.386	-0.0014427	0.00079
839.868	0.0016208	0.000564
840.351	0.0026042	0.00089
840.833	0.0021149	0.001001
841.315	0.0032899	0.00062
841.797	0.0060281	0.000773
842.279	0.0078292	0.000524
842.761	0.0057957	0.000582
843.243	0.0044576	0.000471
843.725	0.0054828	0.000655
844.207	0.0020498	0.000711
844.69	0.0022853	0.000661
845.172	0.0054749	0.000473
845.654	0.0084211	0.000622
846.136	0.014601	0.000427
846.618	0.035045	0.000335
847.1	0.106791	0.001211
847.582	0.159257	0.000806
848.064	0.0274714	0.000708
848.546	0.0101476	0.000498
849.029	0.01029	0.000393
849.511	0.0097923	0.000836
849.993	0.0127235	0.00051
850.475	0.0215646	0.00051
850.957	0.059462	0.000871
851.439	0.0628944	0.000968
851.921	0.0304618	0.000573
852.403	0.0662929	0.000946
852.886	0.0802381	0.001003
853.368	0.165873	0.000977
853.85	0.150624	0.000767
854.332	0.0180847	0.000481
854.814	0.0059957	0.000626
855.296	0.0052169	0.000491
855.778	0.0023784	0.000691
856.26	0.0022272	0.000844
856.742	0.0022872	0.000633
857.225	0.001867	0.00066
857.707	0.0017786	0.000682
858.189	0.000803	0.00089

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0001147	0.000704
859.153	0.0013298	0.000564
859.635	0.0001213	0.000472
860.117	0.0018911	0.000765
860.599	0.0025716	0.000505
861.081	0.0023357	0.000792
861.564	0.0042598	0.000988
862.046	0.0040773	0.00079
862.528	0.0045799	0.000713
863.01	0.0043882	0.000604
863.492	0.0024743	0.000988
863.974	0.0035035	0.000527
864.456	0.0033381	0.000607
864.938	0.0022112	0.000654
865.421	0.007482	0.000653
865.903	0.0109342	0.00056
866.385	0.0191338	0.000381
866.867	0.0475289	0.00085
867.349	0.161662	0.000707
867.831	0.287487	0.001739
868.313	0.0321874	0.000418
868.795	0.0127575	0.000871
869.277	0.0075768	0.000641
869.76	0.0059367	0.000486
870.242	0.0078485	0.000595
870.724	0.0132629	0.000428
871.206	0.0305122	0.000423
871.688	0.0767715	0.000788
872.17	0.0540067	0.000639
872.652	0.0621385	0.000635
873.134	0.0091354	0.000374
873.617	0.0024718	0.000911
874.099	0.0009677	0.000692
874.581	0.0011705	0.000752
875.063	0.0019581	0.000518
875.545	0.0017382	0.000698
876.027	0.0022313	0.000593
876.509	0.0025536	0.000406
876.991	0.0032953	0.000434
877.474	0.0018857	0.000711
877.956	0.0015941	0.000536
878.438	0.0006729	0.000805
878.92	-0.0000545	0.000478
879.402	0.0002102	0.000545
879.884	0.0003196	0.00067

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0014355	0.000567
880.848	0.0005877	0.000659
881.33	0.0013322	0.000642
881.813	0.0013706	0.000557
882.295	0.003338	0.000785
882.777	0.0034512	0.000493
883.259	0.0022931	0.000684
883.741	0.0033766	0.000435
884.223	0.0036217	0.000611
884.705	0.0029681	0.000701
885.187	0.0052719	0.000638
885.669	0.0058533	0.000376
886.152	0.0103383	0.000575
886.634	0.0166814	0.000584
887.116	0.0451275	0.00072
887.598	0.133913	0.000824
888.08	0.137125	0.00091
888.562	0.0177036	0.00055
889.044	0.0091465	0.000653
889.526	0.0080529	0.000726
890.009	0.0101765	0.000586
890.491	0.0136761	0.000663
890.973	0.025858	0.000475
891.455	0.0821857	0.000836
891.937	0.203298	0.000849
892.419	0.0405576	0.000808
892.901	0.0095016	0.000597
893.383	0.0031554	0.000328
893.865	0.002691	0.00046
894.348	0.0017854	0.000669
894.83	0.0027341	0.000524
895.312	0.0027894	0.00061
895.794	0.0018054	0.000808
896.276	0.002115	0.000621
896.758	0.0024441	0.000787
897.24	0.0015917	0.000572
897.722	0.001504	0.000607
898.204	0.0014923	0.000354
898.687	-0.0002119	0.000486
899.169	0.0007624	0.000554
899.651	0.0007202	0.000699
900.133	0.0011012	0.000542
900.615	0.0032517	0.000381
901.097	0.0018438	0.000562
901.579	0.0020259	0.000359

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0022654	0.000523
902.544	0.0041083	0.00037
903.026	0.0039073	0.000509
903.508	0.0031478	0.000551
903.99	0.004475	0.00056
904.472	0.005842	0.000671
904.954	0.0073269	0.000591
905.436	0.0058354	0.000494
905.918	0.0098302	0.000407
906.4	0.0143715	0.000852
906.883	0.0206828	0.000729
907.365	0.0606707	0.00057
907.847	0.190709	0.001089
908.329	0.12992	0.000894
908.811	0.0272637	0.000467
909.293	0.0113386	0.000805
909.775	0.0074179	0.000771
910.257	0.0068387	0.000603
910.739	0.0056859	0.000434
911.222	0.0054897	0.000715
911.704	0.0112586	0.000393
912.186	0.0245009	0.000513
912.668	0.0062156	0.000518
913.15	0.0039953	0.000445
913.632	0.0037677	0.000753
914.114	0.0040386	0.00055
914.596	0.0064254	0.000546
915.079	0.0145032	0.000258
915.561	0.0299109	0.000764
916.043	0.0118448	0.000859
916.525	0.011585	0.000617
917.007	0.0096052	0.000276
917.489	0.0105614	0.000517
917.971	0.0213363	0.000719
918.453	0.046401	0.000315
918.935	0.0165426	0.000408
919.418	0.014763	0.000343
919.9	0.014528	0.000468
920.382	0.0290737	0.000673
920.864	0.0793888	0.000501
921.346	0.102279	0.000559
921.828	0.0388106	0.000618
922.31	0.0254794	0.000656
922.792	0.0412768	0.000401
923.275	0.0973486	0.000761

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0895286	0.000439
924.239	0.0482035	0.000687
924.721	0.0488724	0.000572
925.203	0.105319	0.000992
925.685	0.147269	0.000765
926.167	0.0832576	0.000505
926.649	0.142545	0.000485
927.132	0.354974	0.001466
927.614	0.192863	0.000586
928.096	0.202519	0.000946
928.578	0.328887	0.001054
929.06	0.289716	0.001022
929.542	0.252079	0.001456
930.024	0.391225	0.001964
930.506	0.509587	0.001637
930.988	0.527355	0.002378
931.471	0.457828	0.001764
931.953	0.333933	0.001551
932.435	0.184164	0.000623
932.917	0.225101	0.000931
933.399	0.0643213	0.000673
933.881	0.0916179	0.000633
934.363	0.0948784	0.000552
934.845	0.0317314	0.000797
935.328	0.0400671	0.002707
935.81	0.05194	0.000547
936.292	0.0110684	0.000381
936.774	0.014879	0.000396
937.256	0.0214991	0.000416
937.738	0.0132456	0.000592
938.22	0.007784	0.000598
938.702	0.0110926	0.000405
939.184	0.0125218	0.000371
939.667	0.0064473	0.000536
940.149	0.0051933	0.000492
940.631	0.0046753	0.000701
941.113	0.0040156	0.000616
941.595	0.0029004	0.000445
942.077	0.0030906	0.000726
942.559	0.00576	0.000439
943.041	0.004861	0.00064
943.523	0.0047417	0.000521
944.006	0.0067302	0.000591
944.488	0.0083834	0.000628
944.97	0.0128701	0.000545

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0123569	0.000218
945.934	0.0129154	0.000363
946.416	0.014659	0.000359
946.898	0.0143519	0.000584
947.38	0.0267667	0.00046
947.863	0.0689082	0.000786
948.345	0.0662228	0.00046
948.827	0.019056	0.000358
949.309	0.0271717	0.000615
949.791	0.0170269	0.000634
950.273	0.0184201	0.000365
950.755	0.0242216	0.000737
951.237	0.0611612	0.000619
951.719	0.125889	0.000727
952.202	0.0184005	0.000665
952.684	0.0094587	0.000548
953.166	0.0087429	0.000685
953.648	0.007966	0.000683
954.13	0.0098949	0.000657
954.612	0.0115488	0.000625
955.094	0.0102184	0.000568
955.576	0.0145614	0.00044
956.058	0.0218413	0.000747
956.541	0.0182177	0.000469
957.023	0.0214761	0.000674
957.505	0.0350624	0.000552
957.987	0.0371402	0.000417
958.469	0.0287479	0.000728
958.951	0.0431979	0.000376
959.433	0.0615406	0.000375
959.915	0.0552274	0.000623
960.398	0.0701771	0.000531
960.88	0.121217	0.00073
961.362	0.092192	0.000324
961.844	0.155176	0.000905
962.326	0.168947	0.000745
962.808	0.156616	0.000709
963.29	0.261513	0.00064
963.772	0.244763	0.001353
964.254	0.370853	0.001361
964.737	0.374912	0.000897
965.219	0.584583	0.001583
965.701	0.434222	0.001367
966.183	0.610923	0.002131
966.665	0.588415	0.002004

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.53207	0.0013
967.629	0.304919	0.001132
968.111	0.0775071	0.00077
968.594	0.0174986	0.000822
969.076	0.0081486	0.000611
969.558	0.0064011	0.000676
970.04	0.0069158	0.000711
970.522	0.0083719	0.000514
971.004	0.0194898	0.00054
971.486	0.0514361	0.000807
971.968	0.055168	0.000566
972.45	0.0064756	0.000657
972.933	0.0013377	0.000733
973.415	0.0003924	0.00038
973.897	-0.0022737	0.000568
974.379	-0.0007925	0.000521
974.861	-0.001095	0.000617
975.343	-0.0021681	0.00058
975.825	-0.0011951	0.000431
976.307	-0.0007101	0.000592
976.79	0.0007762	0.000728
977.272	0.0013753	0.000735
977.754	0.0008158	0.000754
978.236	0.0014016	0.000255
978.718	0.0010582	0.000524
979.2	0.0011267	0.000701
979.682	0.0012317	0.000584
980.164	0.000344	0.000399
980.646	0.0012035	0.00055
981.129	0.0009822	0.000429
981.611	-0.000649	0.000545
982.093	0.000499	0.000571
982.575	-0.0001755	0.000733
983.057	0.0006692	0.000636
983.539	-0.0001968	0.000613
984.021	0.0016144	0.00043
984.503	0.0025058	0.000439
984.986	0.0036173	0.000663
985.468	0.0050482	0.000701
985.95	0.0034613	0.00035
986.432	0.0038403	0.000699
986.914	0.0044395	0.000597
987.396	0.0076662	0.000533
987.878	0.0083622	0.000294
988.36	0.0073572	0.000371

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0052048	0.000683
989.325	0.007471	0.000317
989.807	0.0097187	0.00038
990.289	0.0159657	0.000655
990.771	0.0312737	0.000655
991.253	0.0751114	0.001232
991.735	0.149993	0.000872
992.217	0.233663	0.000856
992.699	0.221525	0.001155
993.181	0.0207309	0.000667
993.664	0.0054098	0.000932
994.146	0.0017076	0.000472
994.628	0.0002638	0.000459
995.11	0.001638	0.000761
995.592	0.0016766	0.000767
996.074	0.0004536	0.000594
996.556	0.0010643	0.000329
997.038	0.0025013	0.000354
997.521	0.0016768	0.000339
998.003	0.0032428	0.000435
998.485	0.0029925	0.000565
998.967	0.0029347	0.000735
999.449	0.0041221	0.000649
999.931	0.0035054	0.000613
1000.41	0.0036992	0.000573
1000.89	0.0029148	0.000327
1001.37	0.0024999	0.000564
1001.86	0.0028258	0.000481
1002.34	0.0037735	0.00036
1002.82	0.0031668	0.000402
1003.3	0.0038795	0.000581
1003.78	0.0055819	0.000492
1004.27	0.0057058	0.000634
1004.75	0.0096439	0.000519
1005.23	0.0136841	0.000463
1005.71	0.0205386	0.000384
1006.19	0.0272311	0.000683
1006.68	0.0640086	0.000597
1007.16	0.168527	0.000751
1007.64	0.145773	0.000942
1008.12	0.0200289	0.000463
1008.6	0.0104259	0.000548
1009.09	0.0088767	0.000524
1009.57	0.0126426	0.000258
1010.05	0.0241946	0.000522

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0619173	0.000547
1011.02	0.151617	0.00104
1011.5	0.0476056	0.000687
1011.98	0.0792574	0.000481
1012.46	0.148106	0.000992
1012.94	0.12831	0.000637
1013.43	0.0272739	0.000575
1013.91	0.00566	0.000459
1014.39	0.0036349	0.000726
1014.87	0.0011865	0.000298
1015.35	0.0022882	0.000427
1015.84	0.0007985	0.000398
1016.32	-0.0002125	0.000408
1016.8	-0.0003029	0.000715
1017.28	0.0009358	0.000482
1017.77	0.0003548	0.000459
1018.25	0.0000168	0.000534
1018.73	0.0015967	0.000374
1019.21	0.0023354	0.000444
1019.69	0.0020225	0.000387
1020.18	0.0034472	0.000655
1020.66	0.004762	0.000666
1021.14	0.0041898	0.000622
1021.62	0.0057749	0.000365
1022.1	0.0044483	0.000909
1022.59	0.0090331	0.000717
1023.07	0.0060434	0.000586
1023.55	0.0039238	0.00032
1024.03	0.005255	0.000598
1024.52	0.0088065	0.000475
1025	0.0109079	0.000482
1025.48	0.0145588	0.000721
1025.96	0.0296509	0.00078
1026.44	0.0868342	0.000925
1026.93	0.192345	0.001067
1027.41	0.0203847	0.000528
1027.89	0.0097113	0.000523
1028.37	0.0084981	0.000598
1028.85	0.0090047	0.000862
1029.34	0.0168531	0.000169
1029.82	0.0392177	0.000438
1030.3	0.0752589	0.000412
1030.78	0.0231052	0.000569
1031.26	0.0503674	0.000717
1031.75	0.125379	0.0013

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.133785	0.001474
1032.71	0.0807087	0.000618
1033.19	0.186925	0.000993
1033.67	0.179671	0.001419
1034.16	0.256005	0.001741
1034.64	0.0222303	0.000581
1035.12	0.0051471	0.000461
1035.6	0.0015731	0.000693
1036.08	0.0013177	0.00079
1036.57	0.0012836	0.000537
1037.05	0.0018492	0.000872
1037.53	0.0009448	0.000567
1038.01	0.0020332	0.000334
1038.49	0.0026716	0.000472
1038.98	0.0041273	0.000551
1039.46	0.0066325	0.000777
1039.94	0.0052171	0.000492
1040.42	0.0060785	0.000772
1040.9	0.0093755	0.001061
1041.39	0.0047063	0.000673
1041.87	0.003968	0.000544
1042.35	0.0052333	0.000349
1042.83	0.0080241	0.000368
1043.32	0.0089238	0.000614
1043.8	0.0114827	0.00073
1044.28	0.0184409	0.000424
1044.76	0.0248898	0.000635
1045.24	0.0609566	0.000777
1045.73	0.167446	0.000873
1046.21	0.400266	0.00224
1046.69	0.0867447	0.000608
1047.17	0.0225373	0.00044
1047.65	0.0140054	0.000432
1048.14	0.0119378	0.000617
1048.62	0.023695	0.00113
1049.1	0.046218	0.000492
1049.58	0.015654	0.000679
1050.06	0.0088338	0.000838
1050.55	0.0192952	0.000813
1051.03	0.0456685	0.000768
1051.51	0.0742937	0.00103
1051.99	0.0302639	0.000669
1052.47	0.0689006	0.000928
1052.96	0.160844	0.00076
1053.44	0.0493255	0.00072

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0820186	0.001406
1054.4	0.0888769	0.000918
1054.88	0.0992033	0.001009
1055.37	0.0105304	0.00075
1055.85	0.0031115	0.000892
1056.33	0.0005835	0.000638
1056.81	0.0029018	0.000586
1057.29	0.0004318	0.000506
1057.78	0.0008086	0.000589
1058.26	0.0027505	0.000542
1058.74	0.0051295	0.000443
1059.22	0.00206	0.000595
1059.71	0.0043116	0.000644
1060.19	0.0065056	0.000851
1060.67	0.0046813	0.000428
1061.15	0.0060169	0.000806
1061.63	0.006621	0.000602
1062.12	0.0063081	0.000521
1062.6	0.0072047	0.000556
1063.08	0.01017	0.000427
1063.56	0.0148018	0.000579
1064.04	0.0210865	0.000643
1064.53	0.053156	0.00066
1065.01	0.15459	0.000927
1065.49	0.314418	0.001517
1065.97	0.0378582	0.000822
1066.45	0.0125866	0.00063
1066.94	0.0158127	0.000513
1067.42	0.0347553	0.000426
1067.9	0.0667534	0.000445
1068.38	0.0093919	0.000813
1068.86	0.006323	0.000481
1069.35	0.0104485	0.00058
1069.83	0.0224559	0.000919
1070.31	0.0445358	0.00052
1070.79	0.0211995	0.00063
1071.27	0.0110779	0.000799
1071.76	0.0224113	0.000658
1072.24	0.0446685	0.000589
1072.72	0.0469538	0.000924
1073.2	0.0332735	0.001018
1073.68	0.0719272	0.000677
1074.17	0.11782	0.000809
1074.65	0.0531508	0.000883
1075.13	0.120664	0.001029

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.124231	0.000972
1076.09	0.0862534	0.000934
1076.58	0.0087992	0.00077
1077.06	0.0025977	0.000409
1077.54	0.0008737	0.000496
1078.02	0.0016606	0.000671
1078.51	0.0026736	0.00031
1078.99	0.0045894	0.000456
1079.47	0.0026734	0.000449
1079.95	0.0043456	0.000496
1080.43	0.0059464	0.000662
1080.92	0.0075951	0.000665
1081.4	0.008877	0.000696
1081.88	0.0106292	0.000631
1082.36	0.0170336	0.000648
1082.84	0.0211957	0.000919
1083.33	0.0403236	0.000753
1083.81	0.115825	0.000787
1084.29	0.293303	0.001889
1084.77	0.144612	0.000879
1085.25	0.027939	0.000763
1085.74	0.0218094	0.000756
1086.22	0.0279943	0.000425
1086.7	0.0078077	0.000641
1087.18	0.0075057	0.000368
1087.66	0.006703	0.000681
1088.15	0.0102455	0.000557
1088.63	0.0268549	0.000711
1089.11	0.0560524	0.000877
1089.59	0.016728	0.000607
1090.07	0.0044547	0.000563
1090.56	0.0051839	0.000336
1091.04	0.0139437	0.000619
1091.52	0.0309494	0.000499
1092	0.0141149	0.00089
1092.48	0.0104336	0.000473
1092.97	0.0205039	0.000574
1093.45	0.0390285	0.000641
1093.93	0.0221018	0.000533
1094.41	0.0357313	0.000807
1094.9	0.0787776	0.001191
1095.38	0.0324847	0.000534
1095.86	0.0489324	0.000696
1096.34	0.0358869	0.000518
1096.82	0.0207601	0.000696

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0063946	0.000612
1097.79	0.0026276	0.000743
1098.27	0.0022246	0.000584
1098.75	0.0004863	0.000794
1099.23	0.0034593	0.000525
1099.72	0.0050404	0.000631
1100.2	0.0042101	0.000789
1100.68	0.0078274	0.000602
1101.16	0.0110428	0.000832
1101.64	0.014137	0.000793
1102.13	0.0273758	0.000687
1102.61	0.0786334	0.000919
1103.09	0.199424	0.001448
1103.57	0.148821	0.001567
1104.05	0.0318736	0.000502
1104.54	0.0118191	0.000691
1105.02	0.0038386	0.00097
1105.5	0.0028948	0.000571
1105.98	0.0027797	0.000863
1106.46	0.0030453	0.000546
1106.95	0.0053882	0.000573
1107.43	0.0139504	0.000816
1107.91	0.0167851	0.000602
1108.39	0.0048308	0.000883
1108.87	0.0050164	0.000554
1109.36	0.0058509	0.000699
1109.84	0.0128141	0.000526
1110.32	0.0281419	0.000782
1110.8	0.0245997	0.000587
1111.28	0.0065597	0.000439
1111.77	0.0047508	0.00052
1112.25	0.010396	0.000792
1112.73	0.0231688	0.001161
1113.21	0.0074678	0.000734
1113.7	0.0066564	0.000579
1114.18	0.014685	0.000614
1114.66	0.0288936	0.000793
1115.14	0.0151413	0.000269
1115.62	0.0308019	0.000948
1116.11	0.0400354	0.000642
1116.59	0.0319505	0.000671
1117.07	0.0441719	0.000999
1117.55	0.0631368	0.000735
1118.03	0.0039012	0.000901
1118.52	0.0018525	0.000645

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0033459	0.000474
1119.48	0.0053108	0.000558
1119.96	0.0075644	0.000638
1120.44	0.0123516	0.000768
1120.93	0.0312514	0.000468
1121.41	0.09394	0.000886
1121.89	0.238007	0.001564
1122.37	0.0611682	0.000739
1122.85	0.0144536	0.000616
1123.34	0.0071881	0.00028
1123.82	0.0055317	0.000437
1124.3	0.0033015	0.000513
1124.78	0.0032761	0.000685
1125.26	0.0054066	0.00051
1125.75	0.0102107	0.00045
1126.23	0.0036003	0.000316
1126.71	-0.0001382	0.000517
1127.19	0.0006463	0.000486
1127.67	0.0011236	0.00052
1128.16	0.0023463	0.000561
1128.64	0.0077425	0.000598
1129.12	0.0145317	0.000489
1129.6	0.0037369	0.000408
1130.09	0.0030878	0.000651
1130.57	0.0043707	0.000622
1131.05	0.0087214	0.000265
1131.53	0.0188263	0.000736
1132.01	0.0118514	0.000621
1132.5	0.001833	0.00029
1132.98	0.0024715	0.000801
1133.46	0.0060389	0.000557
1133.94	0.0121207	0.000481
1134.42	0.0054822	0.000484
1134.91	0.0078647	0.000584
1135.39	0.015225	0.000546
1135.87	0.0069382	0.000599
1136.35	0.014955	0.000378
1136.83	0.0215728	0.000549
1137.32	0.0184685	0.000482
1137.8	0.0157433	0.000403
1138.28	0.0091761	0.000524
1138.76	0.0098062	0.000759
1139.24	0.0163162	0.00061
1139.73	0.0383736	0.000603
1140.21	0.0951396	0.000739

A13NH3

Ammonia

0.897 Mole %

A13NH3
D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.106344	0.001164
1141.17	0.0116724	0.000692
1141.65	0.0040426	0.000634
1142.14	0.0032588	0.000448
1142.62	0.0035102	0.000287
1143.1	0.0052963	0.00053
1143.58	0.0093039	0.000534
1144.06	0.0062497	0.000551
1144.55	0.0020643	0.000386
1145.03	0.0015368	0.000247
1145.51	-0.0001732	0.00059
1145.99	0.0001543	0.000756
1146.48	0.0018394	0.000491
1146.96	0.002752	0.000373
1147.44	0.0075852	0.000383
1147.92	0.0009979	0.000419
1148.4	0.0014543	0.000744
1148.89	0.0015181	0.000538
1149.37	0.0026277	0.00048
1149.85	0.0052173	0.000364
1150.33	0.007621	0.000641
1150.81	0.0016292	0.000629
1151.3	0.0010195	0.000371
1151.78	0.0022884	0.000487
1152.26	0.0056157	0.000403
1152.74	0.0135732	0.000354
1153.22	0.0005582	0.000469
1153.71	0.0017775	0.000452
1154.19	0.0030444	0.00038
1154.67	0.0071158	0.000529
1155.15	0.0038885	0.000614
1155.63	0.0056024	0.000203
1156.12	0.0111344	0.000619
1156.6	0.0103531	0.00054
1157.08	0.0164462	0.000422
1157.56	0.0145658	0.000488
1158.04	0.0399955	0.000763
1158.53	0.0859287	0.000759
1159.01	0.0932059	0.000629
1159.49	0.00716	0.000422
1159.97	0.0018633	0.00032
1160.45	0.0012738	0.000643
1160.94	0.0001098	0.000396
1161.42	0.0028143	0.000256
1161.9	0.0001562	0.000398

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0000305	0.000565
1162.86	0.00081	0.000413
1163.35	0.0014176	0.000637
1163.83	0.0019609	0.000683
1164.31	0.0017451	0.000376
1164.79	0.0029224	0.00036
1165.28	0.0063701	0.000508
1165.76	0.0007404	0.00047
1166.24	-0.00011	0.000511
1166.72	-0.0004203	0.00032
1167.2	-0.0003487	0.000375
1167.69	-0.0003387	0.000284
1168.17	0.0011789	0.000417
1168.65	0.003694	0.000412
1169.13	0.0006822	0.000479
1169.61	0.0005889	0.00036
1170.1	0.0008884	0.000386
1170.58	0.0024441	0.000478
1171.06	0.0027105	0.000561
1171.54	0.0025195	0.000688
1172.02	0.0011423	0.000529
1172.51	0.002515	0.000635
1172.99	0.0038386	0.000345
1173.47	0.0074982	0.000309
1173.95	0.001474	0.000479
1174.43	0.0038037	0.00032
1174.92	0.0031825	0.000544
1175.4	0.0044056	0.000457
1175.88	0.0099924	0.000345
1176.36	0.028044	0.000547
1176.84	0.0598531	0.000494
1177.33	0.017647	0.000452
1177.81	0.0050494	0.000483
1178.29	0.0055122	0.000577
1178.77	0.0024174	0.000444
1179.25	0.0009567	0.000576
1179.74	0.0012035	0.000301
1180.22	0.0000119	0.000238
1180.7	-0.0002349	0.000284
1181.18	-0.0001539	0.0004
1181.67	-0.0009422	0.000446
1182.15	-0.0002966	0.000358
1182.63	0.0012318	0.000404
1183.11	0.0019993	0.000453
1183.59	0.0009162	0.000463

A13NH3

Ammonia

0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0008384	0.00051
1184.56	0.0016751	0.000527
1185.04	0.0006733	0.000289
1185.52	0.0004566	0.00038
1186	0.0012402	0.000487
1186.49	0.0019902	0.000444
1186.97	0.0021556	0.000592
1187.45	-0.0002244	0.000491
1187.93	-0.0004678	0.000486
1188.41	-0.0004069	0.000348
1188.9	0.0005507	0.000443
1189.38	0.0003844	0.000398
1189.86	0.0014785	0.000474
1190.34	0.0010004	0.000449
1190.82	0.0010944	0.000388
1191.31	0.0017346	0.000333
1191.79	0.0017118	0.000692
1192.27	0.0006957	0.000281
1192.75	0.0009081	0.00037
1193.23	0.0022892	0.000401
1193.72	0.0051778	0.000646
1194.2	0.0111385	0.000341
1194.68	0.025596	0.00067
1195.16	0.0185138	0.000367
1195.64	0.0036062	0.000334
1196.13	0.0007891	0.000349
1196.61	0.0027391	0.000402
1197.09	0.0016839	0.000138
1197.57	0.003326	0.000611
1198.06	0.0031684	0.000276
1198.54	0.0027168	0.00056
1199.02	0.0009728	0.000223
1199.5	0.0004847	0.000332
1199.98	0.0000185	0.000327
1200.47	-0.0001061	0.000526
1200.95	-0.0009493	0.000342
1201.43	-0.0012776	0.000561
1201.91	-0.0002	0.000183
1202.39	-0.0002312	0.000369
1202.88	-0.0004401	0.000414
1203.36	0.0008052	0.000434
1203.84	0.0008823	0.000355
1204.32	0.0006328	0.000457
1204.8	0.0008316	0.00043
1205.29	0.0006958	0.000614

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0005803	0.000234
1206.25	0.000459	0.000366
1206.73	0.0014505	0.000413
1207.21	-0.0001621	0.000479
1207.7	0.0008693	0.000847
1208.18	-0.0014804	0.000635
1208.66	-0.001193	0.000406
1209.14	0.0002653	0.000546
1209.62	0.0001636	0.000578
1210.11	0.001246	0.000469
1210.59	0.0009608	0.000489
1211.07	0.002222	0.000454
1211.55	0.0030478	0.00038
1212.03	0.007375	0.000332
1212.52	0.0123208	0.000171
1213	0.0040783	0.000428
1213.48	0.0023927	0.000536
1213.96	-0.0005456	0.000312
1214.45	-0.0004036	0.000297
1214.93	-0.0004666	0.000553
1215.41	0.0001656	0.000456
1215.89	-0.0002203	0.000326
1216.37	0.0005059	0.000392
1216.86	0.0007905	0.00026
1217.34	0.0019845	0.000235
1217.82	0.0023335	0.000445
1218.3	0.0016679	0.000548
1218.78	0.000273	0.000466
1219.27	0.0005936	0.000428
1219.75	0.0004335	0.000448
1220.23	-0.0002128	0.00041
1220.71	0.0014698	0.000412
1221.19	0.0006219	0.000293
1221.68	-0.0002317	0.00044
1222.16	-0.0004893	0.000204
1222.64	-0.0002804	0.000336
1223.12	0.0004824	0.000369
1223.6	-0.0001018	0.000405
1224.09	0.0016289	0.00045
1224.57	0.0020687	0.000252
1225.05	0.002327	0.000468
1225.53	0.0012418	0.000509
1226.01	0.0009242	0.000476
1226.5	0.0001675	0.000533
1226.98	0.000543	0.000631

A13NH3

Ammonia

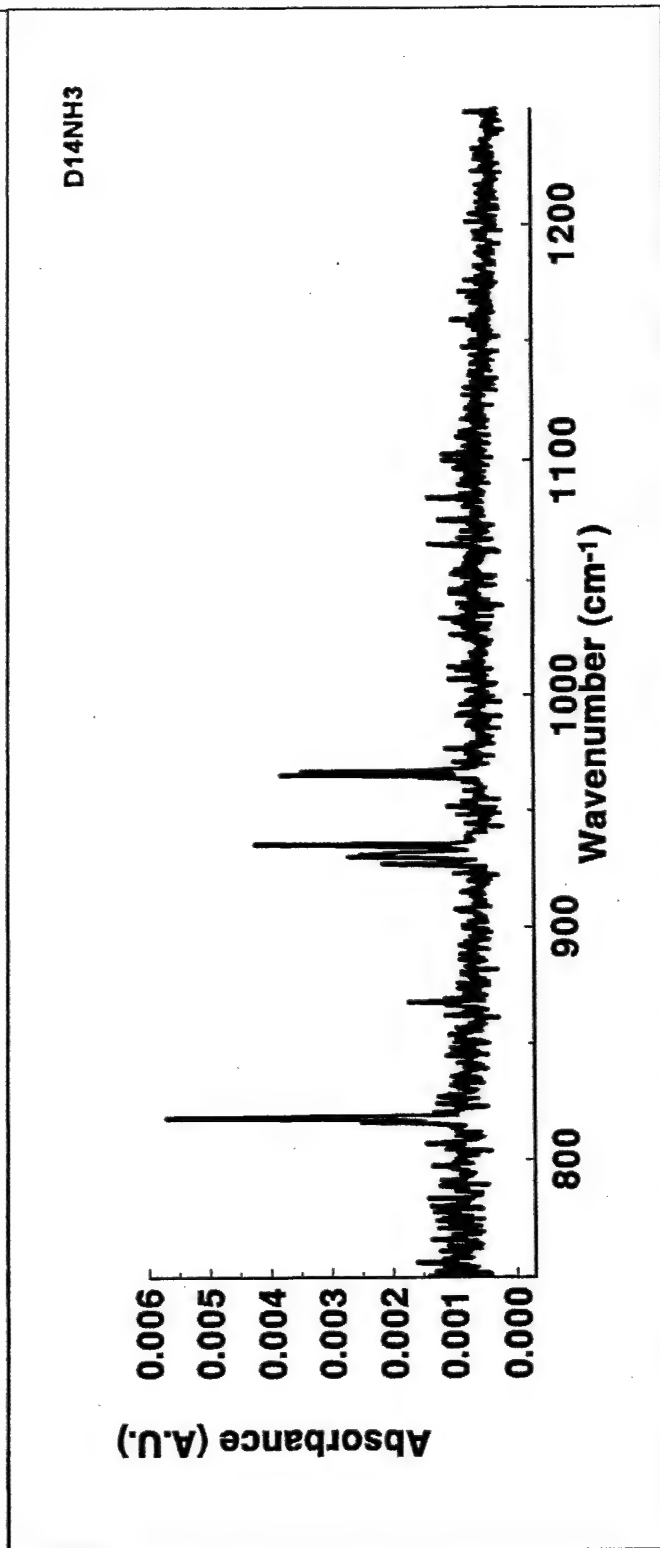
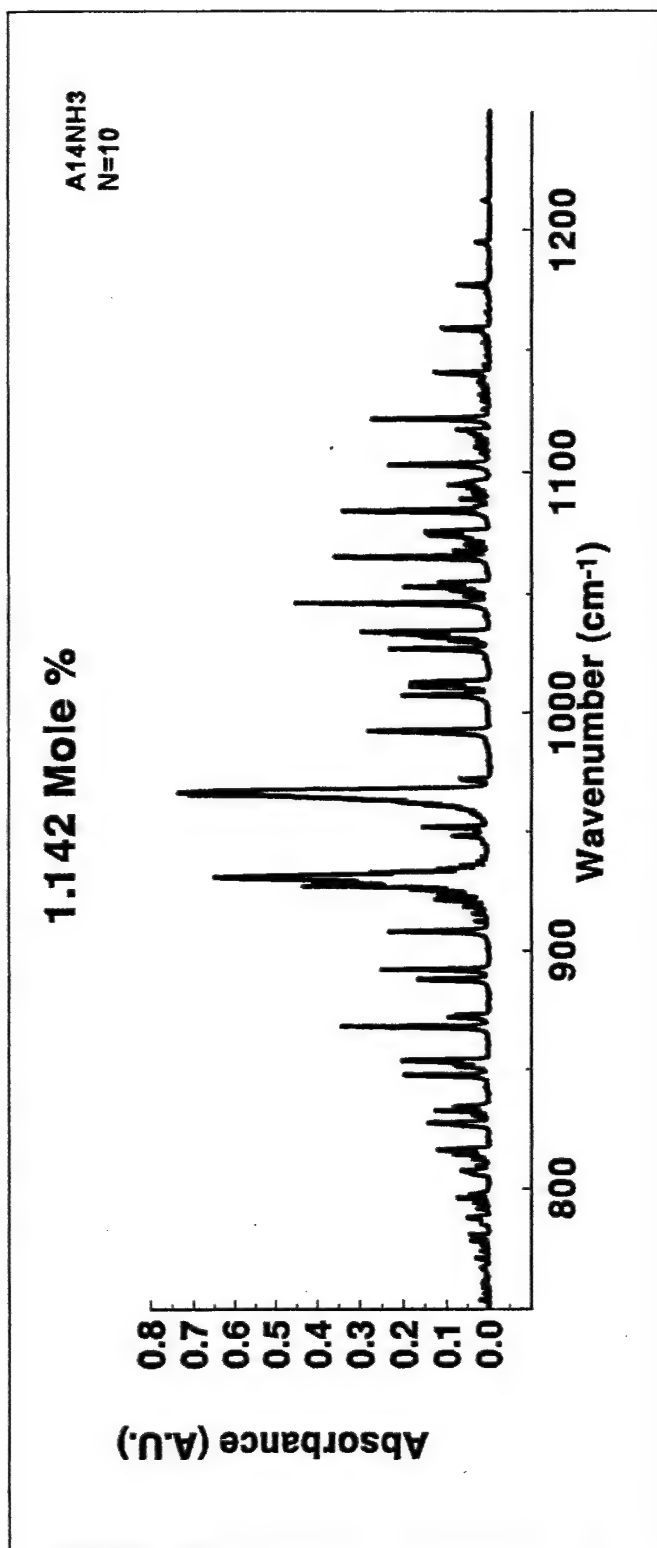
0.897 Mole %

A13NH3

D13NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0001948	0.000351
1227.94	-0.0000154	0.000301
1228.42	0.0002797	0.00028
1228.91	0.0001913	0.000295
1229.39	0.0008045	0.00049
1229.87	0.0034062	0.000333
1230.35	0.0037761	0.000464
1230.83	0.0014712	0.000426
1231.32	0.0004209	0.000352
1231.8	0.0003904	0.000403
1232.28	0.0010707	0.000324
1232.76	0.0001044	0.00022
1233.25	0.0008214	0.000605
1233.73	0.0001065	0.000237
1234.21	-0.0005035	0.000254
1234.69	-0.0001852	0.000308
1235.17	-0.0006225	0.000366
1235.66	-0.0009169	0.000426
1236.14	-0.0005199	0.000483
1236.62	0.0002489	0.000268
1237.1	0.0006036	0.000641
1237.58	0.0007674	0.000311
1238.07	0.00055	0.000182
1238.55	0.0021035	0.000388
1239.03	0.0009592	0.000511
1239.51	0.0015991	0.000487
1239.99	0.0006629	0.000356
1240.48	-0.0001463	0.000466
1240.96	0.0002428	0.000416
1241.44	-0.0001999	0.000421
1241.92	0.0001504	0.000368
1242.4	-0.0001406	0.000368
1242.89	-0.0004406	0.000308
1243.37	0.0002902	0.000327
1243.85	0.0024235	0.000227
1244.33	0.001192	0.000384
1244.81	0.0004673	0.000396
1245.3	0.0011229	0.000404
1245.78	0.0008771	0.000406
1246.26	0.0010185	0.000476
1246.74	0.0016988	0.000502
1247.22	0.0020948	0.000288
1247.71	0.0007905	0.000507
1248.19	0.0001761	0.000204
1248.67	0.0003758	0.000272

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0001596	0.000311
1249.63	-0.0008225	0.000285
1250.12	0.00017	0.000474



Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	-0.0009669	0.001418
750.677	0.0011688	0.000969
751.159	-0.0002852	0.000423
751.641	0.0008844	0.000621
752.123	-0.0015614	0.001292
752.605	0.0007274	0.001158
753.087	0.0067689	0.000695
753.57	0.0180099	0.001152
754.052	-0.0006185	0.000621
754.534	-0.0018262	0.000923
755.016	0.0009758	0.000765
755.498	0.0058588	0.001199
755.98	0.0021313	0.001596
756.462	0.0089195	0.000969
756.944	-0.0014424	0.000958
757.426	0.0003617	0.001172
757.909	0.0004579	0.000704
758.391	0.0051188	0.001047
758.873	0.0123067	0.000919
759.355	-0.0001097	0.000964
759.837	0.0035725	0.00093
760.319	0.0126522	0.00074
760.801	0.0135321	0.001219
761.283	0.0042036	0.001041
761.766	0.0089674	0.000572
762.248	0.0029425	0.000983
762.73	0.0049764	0.00098
763.212	0.0002978	0.001085
763.694	0.0038896	0.000561
764.176	0.0049395	0.000643
764.658	0.0043719	0.000629
765.14	0.0053828	0.00064
765.622	0.0074755	0.001347
766.105	0.0127019	0.000843
766.587	0.0094141	0.001016
767.069	0.0159558	0.000995
767.551	0.0112731	0.000598
768.033	0.0088229	0.001009
768.515	0.0009309	0.000676
768.997	0.0004804	0.000532
769.479	0.0007992	0.000806
769.961	0.0042584	0.000676
770.444	0.0127591	0.001239
770.926	0.0293001	0.000783
771.408	0.0016499	0.000575

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0015783	0.000723
772.372	0.0030142	0.001068
772.854	0.0013239	0.001026
773.336	0.0043064	0.00072
773.818	0.0180657	0.001264
774.301	0.0042549	0.000536
774.783	0.0027783	0.001167
775.265	0.0021747	0.000762
775.747	0.0035031	0.000713
776.229	0.0159866	0.001062
776.711	0.0041924	0.001032
777.193	0.0036566	0.000931
777.675	0.0121238	0.001318
778.157	0.0409109	0.001025
778.64	0.0048065	0.000544
779.122	0.0113583	0.000948
779.604	0.028421	0.000578
780.086	0.0320531	0.001367
780.568	0.0425216	0.001043
781.05	0.0012936	0.000859
781.532	0.0010024	0.000769
782.014	-0.0008025	0.000754
782.497	0.0004514	0.000869
782.979	0.0009393	0.000691
783.461	0.0003721	0.001412
783.943	0.0018647	0.000688
784.425	0.003648	0.000566
784.907	0.014985	0.000578
785.389	0.017488	0.000562
785.871	0.0190175	0.000553
786.353	0.0180078	0.000958
786.836	0.0202695	0.000763
787.318	0.0347241	0.000862
787.8	0.0489627	0.00079
788.282	0.0376905	0.001007
788.764	0.0091743	0.001208
789.246	0.0004453	0.000459
789.728	0.0016785	0.001034
790.21	0.0014095	0.000958
790.692	0.003115	0.000889
791.175	0.0088739	0.001187
791.657	0.0271624	0.00081
792.139	0.0012192	0.000812
792.621	0.0010603	0.000784
793.103	0.0020416	0.000697

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0110911	0.000883
794.067	0.0348265	0.000656
794.549	0.0055498	0.000844
795.032	0.0063474	0.000803
795.514	0.0250634	0.000771
795.996	0.0726818	0.001008
796.478	0.0090707	0.001043
796.96	0.0165909	0.000954
797.442	0.0425075	0.001336
797.924	0.0260106	0.001019
798.406	0.0138559	0.000699
798.888	0.0043422	0.001007
799.371	0.0030291	0.00078
799.853	0.0012464	0.000886
800.335	0.0028704	0.000954
800.817	0.0019578	0.000913
801.299	0.0018931	0.00091
801.781	-0.0009924	0.000614
802.263	0.0007877	0.00075
802.745	0.0005615	0.000667
803.227	-0.0003334	0.000925
803.71	0.0002044	0.000409
804.192	0.0039521	0.000594
804.674	-0.0001035	0.001106
805.156	0.0081153	0.000992
805.638	0.0264494	0.000887
806.12	0.0430766	0.00085
806.602	0.0360735	0.000826
807.084	0.0527661	0.00144
807.567	0.0636413	0.001134
808.049	0.0137582	0.000974
808.531	0.0064201	0.000636
809.013	0.0117309	0.000617
809.495	0.0290976	0.000577
809.977	0.0072198	0.000524
810.459	0.0035814	0.00095
810.941	0.0031428	0.000625
811.423	0.0060927	0.000601
811.906	0.0233949	0.000579
812.388	0.0377538	0.000954
812.87	0.0115412	0.000875
813.352	0.01735	0.000898
813.834	0.053852	0.00098
814.316	0.0836219	0.00104
814.798	0.0269926	0.000819

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0529377	0.001156
815.762	0.0571811	0.001317
816.245	0.119221	0.002513
816.727	0.0871727	0.001475
817.209	0.0091605	0.001872
817.691	0.0023903	0.002055
818.173	-0.0008197	0.005695
818.655	-0.0008182	0.004013
819.137	0.0022748	0.001297
819.619	0.0015531	0.000932
820.102	-0.0004917	0.000948
820.584	0.0018675	0.00131
821.066	0.0018546	0.001013
821.548	0.0028351	0.000855
822.03	0.0014972	0.000947
822.512	0.0034973	0.000557
822.994	-0.0000192	0.000462
823.476	-0.0012215	0.00095
823.959	0.0007112	0.000947
824.441	0.000496	0.001259
824.923	0.0023981	0.000965
825.405	0.0064847	0.000794
825.887	0.0221478	0.000895
826.369	0.0624075	0.000612
826.851	0.0790169	0.001143
827.333	0.140246	0.00123
827.816	0.129529	0.000854
828.298	0.0093132	0.001072
828.78	0.0068959	0.000714
829.262	0.0056012	0.000653
829.744	0.0049833	0.000798
830.226	0.0219769	0.00062
830.708	0.0378673	0.000899
831.19	0.0098747	0.000843
831.672	0.0147563	0.000774
832.155	0.0546494	0.001034
832.637	0.124075	0.000774
833.119	0.0222546	0.000528
833.601	0.04793	0.000975
834.083	0.0828706	0.00095
834.565	0.0746287	0.000763
835.047	0.0264043	0.00057
835.529	0.0095173	0.000593
836.011	0.0038248	0.001009
836.494	0.0004143	0.000781

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0015492	0.000883
837.458	0.0006195	0.000824
837.94	0.0017268	0.000703
838.422	0.002086	0.000632
838.904	0.0017774	0.000759
839.386	-0.000472	0.000466
839.868	0.0015384	0.000811
840.351	0.0008847	0.000802
840.833	0.0017656	0.00053
841.315	0.0029194	0.000612
841.797	0.0042362	0.000919
842.279	0.0077022	0.000717
842.761	0.0027519	0.000776
843.243	0.0029061	0.00076
843.725	0.0048234	0.000693
844.207	0.004431	0.000629
844.69	0.0039793	0.001101
845.172	0.0040193	0.000459
845.654	0.0101189	0.00059
846.136	0.0167197	0.001008
846.618	0.0424503	0.000599
847.1	0.131169	0.00069
847.582	0.196366	0.000903
848.064	0.0309743	0.001021
848.546	0.0109529	0.000681
849.029	0.0082193	0.000714
849.511	0.0105366	0.000575
849.993	0.0128796	0.000441
850.475	0.026761	0.000972
850.957	0.0738557	0.000511
851.439	0.0819437	0.000678
851.921	0.0367324	0.000938
852.403	0.083698	0.000944
852.886	0.0999352	0.000869
853.368	0.201656	0.000817
853.85	0.178842	0.001054
854.332	0.019295	0.00071
854.814	0.0071829	0.000779
855.296	0.0026744	0.000544
855.778	0.0028609	0.000721
856.26	0.0015378	0.000911
856.742	0.0009028	0.000934
857.225	0.00121	0.000548
857.707	0.0013239	0.000657
858.189	0.0017683	0.000486

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0012531	0.000734
859.153	0.0011038	0.00062
859.635	0.0026008	0.000613
860.117	-0.0000276	0.000503
860.599	0.0014215	0.000611
861.081	0.0012176	0.000291
861.564	0.001311	0.000506
862.046	0.0027015	0.001116
862.528	0.0040791	0.000838
863.01	0.00202	0.000563
863.492	0.0021776	0.000826
863.974	0.0018527	0.000779
864.456	0.0020775	0.000454
864.938	0.0044361	0.000557
865.421	0.0095866	0.000615
865.903	0.0142215	0.000792
866.385	0.0227723	0.0011
866.867	0.0571263	0.000907
867.349	0.198291	0.000911
867.831	0.341409	0.001727
868.313	0.0368418	0.000513
868.795	0.0126147	0.000873
869.277	0.0065958	0.001134
869.76	0.0064451	0.000811
870.242	0.0090522	0.000506
870.724	0.0141276	0.000475
871.206	0.0388005	0.000538
871.688	0.0949489	0.000813
872.17	0.0662765	0.000803
872.652	0.0766469	0.00058
873.134	0.0083939	0.000577
873.617	0.0030619	0.000909
874.099	0.0019235	0.000582
874.581	0.0006362	0.000507
875.063	0.0009784	0.000446
875.545	-0.0005369	0.000558
876.027	0.0009552	0.000914
876.509	0.0004471	0.000435
876.991	0.0007858	0.00067
877.474	0.0023159	0.000685
877.956	0.0010951	0.000497
878.438	0.001276	0.000728
878.92	0.000115	0.000715
879.402	-0.0003284	0.000619
879.884	0.0005526	0.000848

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0012192	0.000742
880.848	-0.0009981	0.000851
881.33	0.0004707	0.000641
881.813	-0.0003715	0.00031
882.295	0.0028421	0.000677
882.777	0.0018474	0.000696
883.259	0.0014126	0.00079
883.741	0.00196	0.000672
884.223	0.0034295	0.000701
884.705	0.0030657	0.000579
885.187	0.0053721	0.000517
885.669	0.007171	0.000486
886.152	0.0114857	0.000876
886.634	0.0203463	0.000516
887.116	0.0567549	0.000809
887.598	0.165596	0.000673
888.08	0.165085	0.000606
888.562	0.0197168	0.000869
889.044	0.0095711	0.000741
889.526	0.0079946	0.000673
890.009	0.0089614	0.000729
890.491	0.015667	0.000441
890.973	0.0306158	0.000527
891.455	0.100126	0.000728
891.937	0.249521	0.00084
892.419	0.0507668	0.00087
892.901	0.0102397	0.000631
893.383	0.0047449	0.000622
893.865	0.0017622	0.000799
894.348	0.0015356	0.000441
894.83	0.0012505	0.000429
895.312	0.0014023	0.000612
895.794	0.000374	0.000704
896.276	0.000975	0.000499
896.758	-0.0000445	0.000629
897.24	-0.0003454	0.000601
897.722	-0.0002016	0.000397
898.204	0.0005121	0.000655
898.687	0.0002018	0.0005
899.169	0.0010225	0.000443
899.651	0.0010343	0.000809
900.133	0.0019395	0.000724
900.615	0.0043087	0.000827
901.097	0.0014934	0.000688
901.579	0.0004322	0.000623

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0018202	0.000448
902.544	0.0021841	0.000735
903.026	0.0037368	0.000467
903.508	0.0020167	0.000525
903.99	0.0038081	0.000511
904.472	0.0053623	0.000486
904.954	0.0063977	0.000581
905.436	0.0076797	0.000646
905.918	0.0121157	0.000561
906.4	0.0175849	0.000641
906.883	0.02644	0.000871
907.365	0.0731905	0.000711
907.847	0.23097	0.000931
908.329	0.154589	0.000735
908.811	0.0317411	0.000407
909.293	0.0117226	0.00047
909.775	0.0065979	0.000648
910.257	0.0047842	0.000486
910.739	0.004985	0.000597
911.222	0.0047751	0.000476
911.704	0.0118892	0.000633
912.186	0.0313974	0.000531
912.668	0.0070411	0.000652
913.15	0.0044005	0.000662
913.632	0.0046858	0.000698
914.114	0.0051137	0.000499
914.596	0.0067885	0.000521
915.079	0.0163674	0.000846
915.561	0.0374709	0.00082
916.043	0.0127314	0.000558
916.525	0.0132356	0.000693
917.007	0.0100611	0.000512
917.489	0.0123606	0.000584
917.971	0.0244344	0.000468
918.453	0.0584221	0.000439
918.935	0.0214188	0.000502
919.418	0.0171119	0.000618
919.9	0.0179432	0.000739
920.382	0.0360302	0.000402
920.864	0.0989247	0.000695
921.346	0.126361	0.000626
921.828	0.0464138	0.000472
922.31	0.0297242	0.000288
922.792	0.0501656	0.000457
923.275	0.119343	0.000962

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.110326	0.000479
924.239	0.0570339	0.000478
924.721	0.0606575	0.000684
925.203	0.129659	0.000656
925.685	0.184184	0.000469
926.167	0.102398	0.000819
926.649	0.175249	0.001191
927.132	0.434576	0.002152
927.614	0.245743	0.000861
928.096	0.255442	0.001221
928.578	0.409519	0.000637
929.06	0.360853	0.001065
929.542	0.309099	0.001106
930.024	0.484507	0.002706
930.506	0.618855	0.002341
930.988	0.648198	0.002521
931.471	0.558095	0.002009
931.953	0.408856	0.002119
932.435	0.228286	0.001163
932.917	0.275177	0.000768
933.399	0.081646	0.000918
933.881	0.115878	0.001079
934.363	0.120261	0.001723
934.845	0.0390836	0.002427
935.328	0.0506891	0.004249
935.81	0.0647363	0.001048
936.292	0.0137768	0.000827
936.774	0.0166511	0.000658
937.256	0.0262683	0.000774
937.738	0.015348	0.000687
938.22	0.0083696	0.00071
938.702	0.0121207	0.000777
939.184	0.0141242	0.000716
939.667	0.0062977	0.000729
940.149	0.0062841	0.000732
940.631	0.007547	0.000471
941.113	0.0055891	0.000625
941.595	0.0039373	0.000635
942.077	0.0039592	0.000535
942.559	0.0072182	0.000543
943.041	0.0055233	0.000223
943.523	0.0045333	0.000549
944.006	0.0052214	0.000681
944.488	0.0080626	0.000772
944.97	0.0150789	0.000458

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0141611	0.000558
945.934	0.0135288	0.000412
946.416	0.0164167	0.000519
946.898	0.0172594	0.000543
947.38	0.0329368	0.000449
947.863	0.0857839	0.000364
948.345	0.0834741	0.000904
948.827	0.023976	0.000257
949.309	0.0338808	0.000465
949.791	0.0204779	0.000424
950.273	0.0216488	0.000558
950.755	0.0271164	0.000716
951.237	0.0729228	0.000315
951.719	0.154916	0.001069
952.202	0.021217	0.000617
952.684	0.0115916	0.000623
953.166	0.012129	0.000792
953.648	0.0085205	0.000662
954.13	0.0138324	0.000827
954.612	0.0135299	0.00027
955.094	0.0132134	0.000632
955.576	0.0187545	0.00045
956.058	0.0270911	0.000635
956.541	0.0210719	0.000558
957.023	0.0239298	0.000554
957.505	0.0417825	0.000513
957.987	0.044995	0.000518
958.469	0.0349593	0.000795
958.951	0.0519332	0.000505
959.433	0.076646	0.000477
959.915	0.0677108	0.00057
960.398	0.0868271	0.000533
960.88	0.153859	0.000553
961.362	0.116004	0.000635
961.844	0.194562	0.00061
962.326	0.212605	0.000821
962.808	0.195257	0.000587
963.29	0.32933	0.000619
963.772	0.303852	0.000732
964.254	0.4598	0.001552
964.737	0.461186	0.001085
965.219	0.710293	0.003826
965.701	0.534941	0.000975
966.183	0.734771	0.002724
966.665	0.693139	0.003487

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.621445	0.001408
967.629	0.365327	0.001227
968.111	0.0981503	0.000766
968.594	0.0225935	0.000623
969.076	0.0116017	0.000812
969.558	0.0089005	0.000514
970.04	0.0067822	0.000433
970.522	0.0093291	0.000759
971.004	0.02064	0.000974
971.486	0.0634629	0.000625
971.968	0.0674649	0.00054
972.45	0.0057671	0.000729
972.933	0.0012575	0.00057
973.415	-0.0009412	0.000355
973.897	-0.0007561	0.000418
974.379	-0.0010445	0.000772
974.861	-0.0009813	0.00056
975.343	-0.001237	0.000661
975.825	-0.0023192	0.000773
976.307	-0.0006162	0.000658
976.79	-0.0040752	0.001096
977.272	0.0012306	0.000597
977.754	-0.0012231	0.000497
978.236	-0.0004995	0.000763
978.718	0.000368	0.00034
979.2	-0.0000946	0.00069
979.682	0.0010141	0.000438
980.164	-0.0001336	0.000395
980.646	0.0004732	0.000508
981.129	0.0003896	0.000573
981.611	-0.0021065	0.000522
982.093	0.0005187	0.00036
982.575	-0.0004254	0.000576
983.057	0.0002241	0.000584
983.539	0.0002484	0.000488
984.021	0.0008364	0.000577
984.503	0.0011722	0.000521
984.986	0.0009105	0.000647
985.468	0.0041674	0.000261
985.95	0.0023528	0.000404
986.432	0.0047928	0.000575
986.914	0.0050617	0.000755
987.396	0.0080383	0.000435
987.878	0.0091214	0.000487
988.36	0.0074971	0.000728

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0072062	0.000397
989.325	0.0086859	0.000612
989.807	0.0128817	0.000573
990.289	0.0196557	0.000391
990.771	0.0379215	0.000234
991.253	0.0910539	0.000916
991.735	0.184219	0.00045
992.217	0.280903	0.000863
992.699	0.25907	0.000751
993.181	0.0246233	0.000568
993.664	0.0081821	0.000639
994.146	0.0034536	0.000608
994.628	-0.0005329	0.000531
995.11	0.0023621	0.000491
995.592	0.0002408	0.000511
996.074	0.000885	0.000849
996.556	0.0008155	0.000608
997.038	0.0017778	0.000234
997.521	0.0023748	0.000764
998.003	0.0009346	0.000678
998.485	0.0023083	0.000465
998.967	0.0024203	0.000686
999.449	0.0015272	0.000347
999.931	0.0031893	0.000594
1000.41	0.002134	0.000473
1000.89	0.0039727	0.000599
1001.37	0.0024615	0.000426
1001.86	0.0042826	0.000562
1002.34	0.0038045	0.000756
1002.82	0.0026268	0.000632
1003.3	0.0053957	0.000512
1003.78	0.0053886	0.000535
1004.27	0.0068973	0.000345
1004.75	0.0098232	0.000527
1005.23	0.0142682	0.000306
1005.71	0.0216764	0.000642
1006.19	0.0302283	0.000455
1006.68	0.0761435	0.000629
1007.16	0.201533	0.001039
1007.64	0.170798	0.000903
1008.12	0.0237732	0.000495
1008.6	0.0133059	0.000443
1009.09	0.0130416	0.00066
1009.57	0.0135371	0.000592
1010.05	0.0278815	0.000622

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0763902	0.000474
1011.02	0.185281	0.000918
1011.5	0.0582996	0.000374
1011.98	0.0963072	0.000644
1012.46	0.183968	0.001037
1012.94	0.154063	0.000638
1013.43	0.0320829	0.000708
1013.91	0.0050325	0.000496
1014.39	0.0022856	0.000804
1014.87	0.001575	0.000492
1015.35	0.0012138	0.000651
1015.84	0.0014938	0.00056
1016.32	0.0002871	0.000622
1016.8	-0.0004717	0.000674
1017.28	-0.0006278	0.00053
1017.77	-0.0012624	0.00046
1018.25	0.0007192	0.000447
1018.73	0.0001829	0.000686
1019.21	0.0020533	0.00047
1019.69	0.0012867	0.000584
1020.18	0.0023399	0.000598
1020.66	0.0036971	0.000552
1021.14	0.0029458	0.000488
1021.62	0.0053415	0.000472
1022.1	0.0054488	0.00041
1022.59	0.0112606	0.000578
1023.07	0.0089506	0.000617
1023.55	0.0046963	0.000654
1024.03	0.0073744	0.000371
1024.52	0.0105918	0.000706
1025	0.0118917	0.000794
1025.48	0.0162036	0.000467
1025.96	0.0355403	0.000549
1026.44	0.104445	0.000874
1026.93	0.230211	0.001001
1027.41	0.0248503	0.000587
1027.89	0.0112167	0.000735
1028.37	0.0096729	0.000717
1028.85	0.0101	0.00042
1029.34	0.0207353	0.000633
1029.82	0.0463708	0.000796
1030.3	0.0944563	0.000814
1030.78	0.0283096	0.000402
1031.26	0.062643	0.000397
1031.75	0.152908	0.000857

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.162295	0.000972
1032.71	0.0971774	0.000663
1033.19	0.228233	0.000965
1033.67	0.214165	0.000953
1034.16	0.297309	0.001166
1034.64	0.0275321	0.000357
1035.12	0.0077197	0.00083
1035.6	0.0026802	0.000604
1036.08	0.0012637	0.000751
1036.57	0.0027868	0.000748
1037.05	0.0010894	0.000754
1037.53	0.0010071	0.000367
1038.01	0.0011266	0.000567
1038.49	0.0024038	0.00083
1038.98	0.004224	0.00041
1039.46	0.0058433	0.000205
1039.94	0.0051391	0.000316
1040.42	0.0052571	0.0009
1040.9	0.0100434	0.000512
1041.39	0.0035207	0.000644
1041.87	0.0042911	0.000412
1042.35	0.0056963	0.000689
1042.83	0.0092158	0.000725
1043.32	0.0102143	0.00061
1043.8	0.0139454	0.000565
1044.28	0.0224407	0.000551
1044.76	0.0314676	0.00103
1045.24	0.0701217	0.000608
1045.73	0.193866	0.000927
1046.21	0.453372	0.001015
1046.69	0.106418	0.000604
1047.17	0.0261218	0.000823
1047.65	0.0139018	0.000411
1048.14	0.0128044	0.000323
1048.62	0.0271001	0.000578
1049.1	0.0584943	0.000778
1049.58	0.0204186	0.000566
1050.06	0.0127436	0.000519
1050.55	0.0248774	0.000646
1051.03	0.0565838	0.000357
1051.51	0.0915154	0.000826
1051.99	0.0362507	0.000317
1052.47	0.0845593	0.000663
1052.96	0.197836	0.000993
1053.44	0.059342	0.000563

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0989079	0.000566
1054.4	0.107533	0.000634
1054.88	0.118205	0.000926
1055.37	0.0102072	0.000595
1055.85	0.0032444	0.000647
1056.33	0.0028721	0.000668
1056.81	0.0011637	0.000798
1057.29	0.0015915	0.000546
1057.78	0.0005769	0.000763
1058.26	0.0025208	0.000598
1058.74	0.0047694	0.000513
1059.22	0.0026947	0.00058
1059.71	0.0032406	0.000764
1060.19	0.0053184	0.00049
1060.67	0.0033791	0.000728
1061.15	0.0054962	0.00047
1061.63	0.0071937	0.000718
1062.12	0.0059146	0.000251
1062.6	0.0084545	0.000513
1063.08	0.0128561	0.00031
1063.56	0.0168884	0.000684
1064.04	0.0248713	0.000543
1064.53	0.0657785	0.000802
1065.01	0.183468	0.00106
1065.49	0.3593	0.001371
1065.97	0.0489128	0.000667
1066.45	0.0144928	0.000606
1066.94	0.0187267	0.000398
1067.42	0.0407804	0.000359
1067.9	0.0824958	0.000883
1068.38	0.0095212	0.000587
1068.86	0.008092	0.000597
1069.35	0.0108705	0.000605
1069.83	0.026725	0.000481
1070.31	0.0573963	0.000425
1070.79	0.0267878	0.000823
1071.27	0.0141665	0.000462
1071.76	0.0283803	0.000445
1072.24	0.0537615	0.000663
1072.72	0.0581517	0.000619
1073.2	0.0407325	0.000349
1073.68	0.0879504	0.000727
1074.17	0.140626	0.000614
1074.65	0.0632531	0.000553
1075.13	0.147756	0.000955

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.150072	0.001206
1076.09	0.101477	0.00078
1076.58	0.0074229	0.000578
1077.06	0.0045615	0.000482
1077.54	0.0020829	0.000565
1078.02	0.0008343	0.000639
1078.51	0.0032252	0.00067
1078.99	0.0054108	0.000495
1079.47	0.0042655	0.000616
1079.95	0.0055517	0.00051
1080.43	0.0065749	0.000523
1080.92	0.005915	0.000803
1081.4	0.0079577	0.000747
1081.88	0.0130791	0.000654
1082.36	0.017833	0.000764
1082.84	0.0230127	0.000513
1083.33	0.0488349	0.000531
1083.81	0.13472	0.000885
1084.29	0.341774	0.000733
1084.77	0.171254	0.00139
1085.25	0.0327975	0.000763
1085.74	0.0265473	0.000499
1086.22	0.0337613	0.000844
1086.7	0.0078697	0.000478
1087.18	0.0070383	0.000604
1087.66	0.0077571	0.000525
1088.15	0.0127534	0.000578
1088.63	0.0316296	0.000647
1089.11	0.0675002	0.000612
1089.59	0.0200972	0.000756
1090.07	0.0055052	0.00088
1090.56	0.0069385	0.000408
1091.04	0.0170162	0.000784
1091.52	0.0389006	0.000808
1092	0.0181266	0.000549
1092.48	0.0110713	0.000811
1092.97	0.0244057	0.000471
1093.45	0.0517073	0.000749
1093.93	0.0268065	0.000707
1094.41	0.0432303	0.000687
1094.9	0.0953187	0.00076
1095.38	0.0378979	0.000468
1095.86	0.0601248	0.000678
1096.34	0.0433466	0.00086
1096.82	0.0252321	0.000945

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0060889	0.00054
1097.79	0.0054076	0.000418
1098.27	0.0036386	0.000877
1098.75	0.00056	0.000479
1099.23	0.0044237	0.000804
1099.72	0.0038943	0.000673
1100.2	0.0055516	0.001135
1100.68	0.0057139	0.000685
1101.16	0.0132884	0.000366
1101.64	0.0148946	0.000667
1102.13	0.0318427	0.000515
1102.61	0.0922355	0.00114
1103.09	0.233337	0.000836
1103.57	0.172658	0.000882
1104.05	0.0384179	0.000459
1104.54	0.0113345	0.000527
1105.02	0.0057518	0.000599
1105.5	0.0042743	0.000715
1105.98	0.0034649	0.000794
1106.46	0.0040316	0.000622
1106.95	0.0090547	0.000399
1107.43	0.0129342	0.000439
1107.91	0.0183292	0.000715
1108.39	0.005813	0.000524
1108.87	0.0028552	0.000744
1109.36	0.0062974	0.000721
1109.84	0.015032	0.000896
1110.32	0.0329791	0.000393
1110.8	0.0313614	0.000531
1111.28	0.0059296	0.000591
1111.77	0.0052766	0.000845
1112.25	0.0122904	0.00082
1112.73	0.0294627	0.000686
1113.21	0.0071295	0.000569
1113.7	0.0066155	0.000446
1114.18	0.0192871	0.000517
1114.66	0.034138	0.000613
1115.14	0.0176707	0.000481
1115.62	0.033847	0.000648
1116.11	0.0463688	0.000426
1116.59	0.0389702	0.000418
1117.07	0.0530905	0.000809
1117.55	0.0766501	0.000782
1118.03	0.0061786	0.00054
1118.52	0.0014975	0.000455

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0035234	0.000721
1119.48	0.0057397	0.000509
1119.96	0.0097419	0.00068
1120.44	0.0152121	0.000511
1120.93	0.0368539	0.000491
1121.41	0.110654	0.000746
1121.89	0.273066	0.000739
1122.37	0.0748167	0.000689
1122.85	0.0151056	0.000349
1123.34	0.0088281	0.000687
1123.82	0.0047019	0.000573
1124.3	0.0037179	0.000651
1124.78	0.0045499	0.000531
1125.26	0.0057624	0.000538
1125.75	0.014482	0.000577
1126.23	0.0057126	0.000619
1126.71	0.0013166	0.000467
1127.19	0.0006677	0.000789
1127.67	0.0004631	0.000543
1128.16	0.0020455	0.000634
1128.64	0.0064846	0.000621
1129.12	0.0165005	0.000291
1129.6	0.0012573	0.000595
1130.09	0.0034645	0.000767
1130.57	0.0043239	0.000624
1131.05	0.0097192	0.000653
1131.53	0.0217079	0.000326
1132.01	0.013568	0.000355
1132.5	0.0021549	0.000654
1132.98	0.0038504	0.000583
1133.46	0.0085784	0.000445
1133.94	0.0135748	0.000267
1134.42	0.0044538	0.000505
1134.91	0.0069557	0.000571
1135.39	0.0203381	0.000685
1135.87	0.0064174	0.000655
1136.35	0.0189982	0.000482
1136.83	0.0258354	0.00067
1137.32	0.018978	0.000362
1137.8	0.019143	0.000423
1138.28	0.0107589	0.000539
1138.76	0.0112049	0.000416
1139.24	0.0179731	0.000386
1139.73	0.0470281	0.000448
1140.21	0.114566	0.00066

Ammonia

1.142 Mole %

A14NH3
D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.127803	0.000652
1141.17	0.0114423	0.000516
1141.65	0.0041126	0.000332
1142.14	0.0006678	0.000449
1142.62	0.0002824	0.000565
1143.1	0.0054322	0.000414
1143.58	0.0119088	0.000622
1144.06	0.0049068	0.000667
1144.55	-0.0001802	0.000359
1145.03	-0.0008949	0.000492
1145.51	-0.0009422	0.000256
1145.99	0.0000922	0.000516
1146.48	0.0016037	0.000498
1146.96	0.0030404	0.000507
1147.44	0.0073721	0.000797
1147.92	-0.0002911	0.000444
1148.4	0.0004009	0.000479
1148.89	0.000944	0.000479
1149.37	0.0018314	0.000424
1149.85	0.0036017	0.000669
1150.33	0.0060662	0.000629
1150.81	-0.0000239	0.000365
1151.3	-0.0003	0.000404
1151.78	0.0020735	0.000244
1152.26	0.0071533	0.000523
1152.74	0.0141503	0.000498
1153.22	0.0003394	0.000522
1153.71	0.0010065	0.000524
1154.19	0.0029998	0.000348
1154.67	0.0079871	0.000613
1155.15	0.0027172	0.000385
1155.63	0.0044524	0.000631
1156.12	0.0127114	0.000379
1156.6	0.0106491	0.000712
1157.08	0.0175411	0.000417
1157.56	0.0165274	0.000424
1158.04	0.0473559	0.000593
1158.53	0.106506	0.000389
1159.01	0.111536	0.000976
1159.49	0.0069512	0.00039
1159.97	0.0012308	0.000457
1160.45	0.0008047	0.000533
1160.94	0.0002115	0.000651
1161.42	0.0019352	0.000409
1161.9	-0.0005073	0.000325

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.0008113	0.000328
1162.86	-0.0010203	0.000549
1163.35	-0.0002104	0.000449
1163.83	0.0002221	0.000455
1164.31	0.0004728	0.000347
1164.79	0.0029551	0.000353
1165.28	0.007644	0.00052
1165.76	0.0008247	0.000502
1166.24	-0.0008401	0.000656
1166.72	0.0006388	0.000368
1167.2	0.0002362	0.000602
1167.69	-0.0006634	0.000397
1168.17	0.0006804	0.000393
1168.65	0.0025471	0.000713
1169.13	0.000783	0.00054
1169.61	0.0001409	0.000653
1170.1	-0.000667	0.000381
1170.58	0.0001792	0.000448
1171.06	0.0018936	0.000851
1171.54	0.0018687	0.000448
1172.02	0.0000839	0.000504
1172.51	0.0017029	0.000362
1172.99	0.0045303	0.00034
1173.47	0.0081289	0.000322
1173.95	0.0017424	0.000583
1174.43	0.00348	0.000545
1174.92	0.0041265	0.000279
1175.4	0.0052352	0.000513
1175.88	0.0120731	0.000752
1176.36	0.0334239	0.000438
1176.84	0.0746797	0.000337
1177.33	0.0202889	0.000573
1177.81	0.005517	0.000452
1178.29	0.0058797	0.000486
1178.77	0.0028299	0.00032
1179.25	0.0007894	0.000464
1179.74	0.0003907	0.000447
1180.22	0.0008104	0.000446
1180.7	0.0001729	0.000486
1181.18	-0.0016102	0.000555
1181.67	-0.0010628	0.000494
1182.15	-0.000566	0.000598
1182.63	-0.0013921	0.000299
1183.11	0.0014561	0.000363
1183.59	0.0000153	0.00042

Ammonia

1.142 Mole %

A14NH3

D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	-0.0007882	0.000308
1184.56	-0.0011156	0.000351
1185.04	-0.0000436	0.000451
1185.52	-7.11E-06	0.000388
1186	0.0011615	0.000403
1186.49	0.003132	0.000516
1186.97	0.00075	0.000463
1187.45	0.0001166	0.000317
1187.93	-0.0004652	0.000569
1188.41	-0.0001535	0.000453
1188.9	-0.0005798	0.000326
1189.38	0.0003486	0.000438
1189.86	0.0003888	0.000515
1190.34	0.0000722	0.000521
1190.82	-0.0002117	0.000371
1191.31	0.0004229	0.000334
1191.79	0.0012945	0.000232
1192.27	0.000752	0.000403
1192.75	0.0008645	0.000375
1193.23	0.0031268	0.000357
1193.72	0.0059092	0.000597
1194.2	0.0135616	0.000461
1194.68	0.0307481	0.000567
1195.16	0.0218705	0.000437
1195.64	0.0038795	0.000427
1196.13	0.0005168	0.000594
1196.61	0.000793	0.000441
1197.09	0.0002622	0.000609
1197.57	0.0025012	0.000192
1198.06	0.0022277	0.000478
1198.54	0.0015261	0.000366
1199.02	-0.0021587	0.000431
1199.5	-0.0012499	0.000392
1199.98	-0.0001729	0.000282
1200.47	-0.0005569	0.000418
1200.95	-0.0002202	0.00043
1201.43	-0.0008601	0.00073
1201.91	-0.0011288	0.000292
1202.39	-0.0006471	0.000494
1202.88	0.000632	0.000371
1203.36	-0.0006042	0.000386
1203.84	-0.0002726	0.000287
1204.32	0.0003812	0.000544
1204.8	-0.0004816	0.000676
1205.29	-0.0005581	0.000493

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	-0.0002925	0.000453
1206.25	-0.0006579	0.000436
1206.73	-0.0008705	0.000242
1207.21	-0.000707	0.000554
1207.7	-0.0001806	0.000459
1208.18	-0.0002686	0.000247
1208.66	-0.0001404	0.000365
1209.14	-0.0005787	0.000404
1209.62	-0.0002399	0.000577
1210.11	-0.0000912	0.0004
1210.59	-0.0004473	0.000421
1211.07	0.0002705	0.000261
1211.55	0.0019484	0.0005
1212.03	0.0073265	0.000451
1212.52	0.0142872	0.00031
1213	0.0051558	0.000492
1213.48	0.0025508	0.000552
1213.96	-0.0001632	0.000362
1214.45	-0.000874	0.000284
1214.93	-0.0001827	0.000361
1215.41	-0.0004429	0.000514
1215.89	-0.0015704	0.000352
1216.37	-0.0000341	0.000388
1216.86	0.0002291	0.000331
1217.34	0.0003936	0.000572
1217.82	0.0002723	0.000436
1218.3	-0.0006941	0.000316
1218.78	-0.0002515	0.000437
1219.27	-0.0006347	0.00043
1219.75	-0.0007358	0.000265
1220.23	-0.0003017	0.000345
1220.71	-0.0009513	0.000293
1221.19	0.0005691	0.00041
1221.68	-0.0008421	0.000375
1222.16	-0.0004482	0.000336
1222.64	-0.0004317	0.000198
1223.12	-0.0003906	0.000628
1223.6	-0.0008765	0.000411
1224.09	-0.0003225	0.000516
1224.57	0.0000475	0.000353
1225.05	0.0013245	0.000489
1225.53	-0.0001112	0.000306
1226.01	-0.0007371	0.000437
1226.5	-0.0007446	0.000238
1226.98	-0.0009988	0.000447

Ammonia

1.142 Mole %

A14NH3

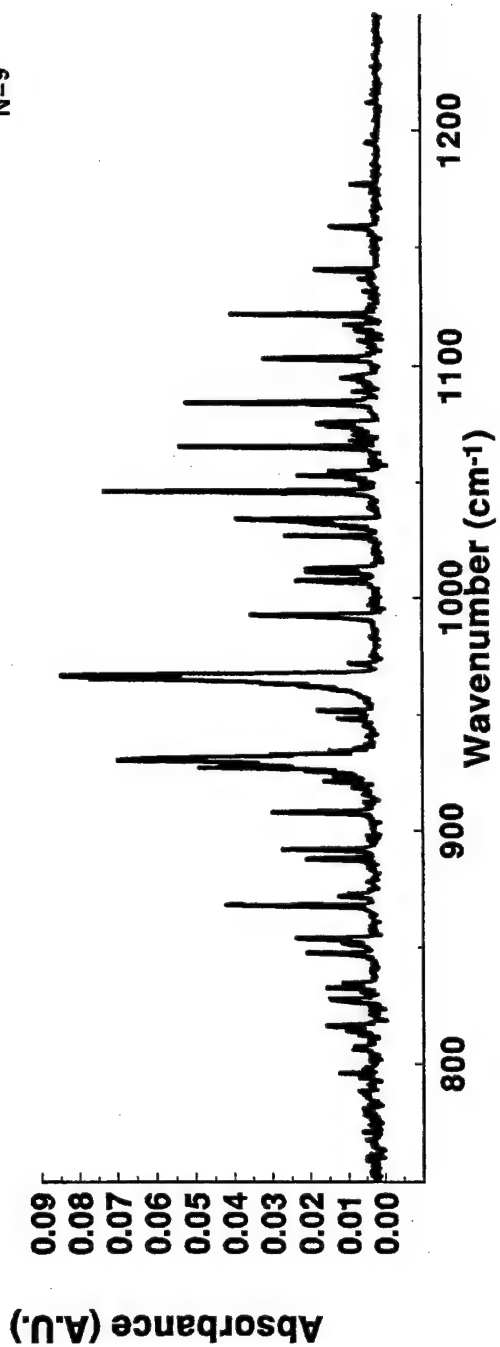
D14NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	-0.0005154	0.000332
1227.94	0.0006253	0.000413
1228.42	0.0006325	0.000594
1228.91	0.0002809	0.000475
1229.39	0.0010282	0.000322
1229.87	0.004291	0.000429
1230.35	0.0037889	0.000579
1230.83	-0.0005038	0.000316
1231.32	0.0006078	0.000364
1231.8	-0.0010855	0.000459
1232.28	0.000211	0.000416
1232.76	-0.0006217	0.000622
1233.25	-0.0002202	0.000565
1233.73	0.0002203	0.000344
1234.21	-0.0009527	0.000464
1234.69	-0.0005711	0.000451
1235.17	-0.0012557	0.000404
1235.66	-0.0005253	0.000432
1236.14	-0.00063	0.000492
1236.62	-0.000136	0.000493
1237.1	-0.0002704	0.000357
1237.58	-0.0005012	0.000358
1238.07	0.0002607	0.000392
1238.55	-0.0008115	0.000335
1239.03	0.0005491	0.000238
1239.51	-0.0004108	0.000358
1239.99	-0.0001236	0.00028
1240.48	-0.0006391	0.000416
1240.96	-0.0001049	0.000156
1241.44	-8.71E-06	0.000289
1241.92	-0.0008606	0.000353
1242.4	-0.0002239	0.000464
1242.89	-0.0015962	0.00033
1243.37	0.0005795	0.00035
1243.85	0.0010082	0.000392
1244.33	-0.0007825	0.000444
1244.81	0.0000479	0.00021
1245.3	-0.0009078	0.000364
1245.78	0.0006985	0.000367
1246.26	0.0003721	0.000405
1246.74	0.0011002	0.000292
1247.22	0.001494	0.00048
1247.71	0.0007283	0.000248
1248.19	-0.0009258	0.000356
1248.67	0.0000485	0.000737

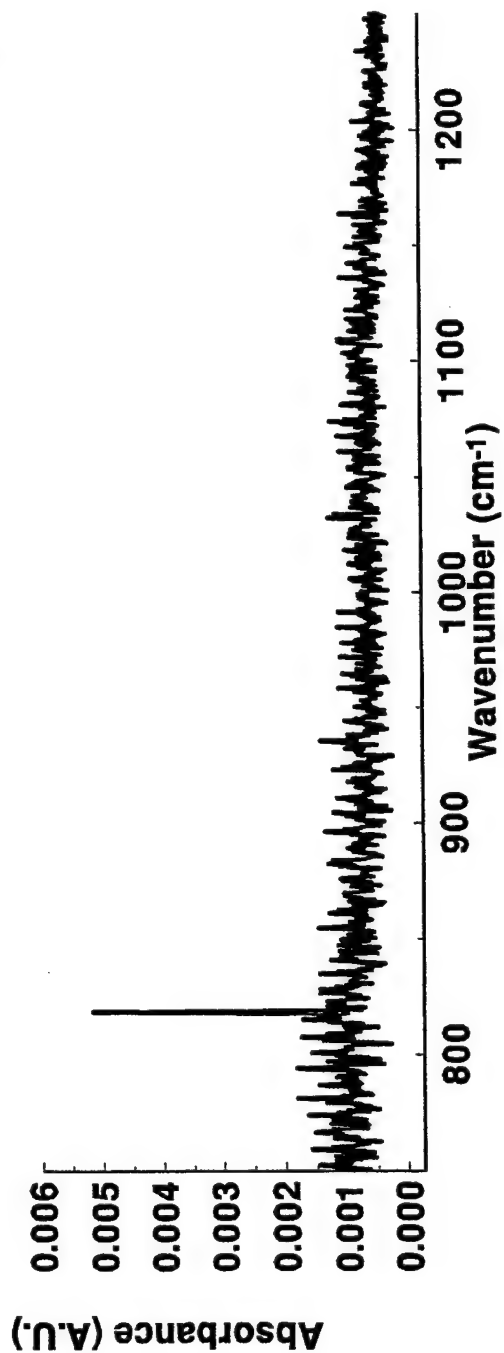
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0003305	0.000287
1249.63	-0.000756	0.000317
1250.12	-0.0006297	0.000226

0.0998 Mole %

A15NH3
N=9



D15NH3



Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0030084	0.000648
750.677	0.0025312	0.000782
751.159	0.0018611	0.001167
751.641	0.0028456	0.001191
752.123	0.0013908	0.001447
752.605	0.0036265	0.00108
753.087	0.0025941	0.00096
753.57	0.0020326	0.001117
754.052	0.0037378	0.001181
754.534	0.0034873	0.000794
755.016	0.0033682	0.001032
755.498	0.001717	0.000545
755.98	0.0027804	0.001195
756.462	0.0035589	0.000809
756.944	0.0027835	0.001004
757.426	0.0019422	0.000569
757.909	0.00218	0.0011
758.391	0.0030611	0.000734
758.873	0.0048419	0.00157
759.355	0.003244	0.001075
759.837	0.000418	0.001253
760.319	0.0047839	0.000939
760.801	0.0037766	0.000837
761.283	0.003947	0.000656
761.766	0.0010082	0.000847
762.248	0.0021746	0.000467
762.73	0.0019236	0.000862
763.212	0.0002328	0.000855
763.694	0.0017243	0.001217
764.176	0.0027933	0.000835
764.658	0.0034428	0.001057
765.14	0.0025228	0.001212
765.622	0.0037133	0.001093
766.105	0.0028506	0.001507
766.587	0.0026351	0.00149
767.069	0.0028831	0.001206
767.551	0.0048631	0.001241
768.033	0.0033216	0.000687
768.515	0.0018868	0.000713
768.997	0.0029271	0.000849
769.479	0.0017753	0.000668
769.961	0.0014181	0.001264
770.444	0.0022329	0.00071
770.926	0.0057828	0.001059
771.408	0.0033963	0.001241

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0014075	0.00071
772.372	0.0014796	0.000883
772.854	0.0023921	0.001177
773.336	0.003833	0.000989
773.818	0.0042768	0.001626
774.301	0.00286	0.000984
774.783	0.0009072	0.001157
775.265	0.0025579	0.00065
775.747	0.0038348	0.001001
776.229	0.0038377	0.000482
776.711	0.0017861	0.000653
777.193	0.0019794	0.000617
777.675	0.0048522	0.000681
778.157	0.0055048	0.000879
778.64	0.0029149	0.000783
779.122	0.0036322	0.001334
779.604	0.00559	0.001022
780.086	0.0034976	0.000957
780.568	0.005608	0.001126
781.05	0.003135	0.001797
781.532	0.0019765	0.000911
782.014	0.0008797	0.001084
782.497	0.0044688	0.000614
782.979	0.0017385	0.000677
783.461	0.0025452	0.000953
783.943	0.0022089	0.000769
784.425	0.004064	0.000844
784.907	0.0043192	0.000967
785.389	0.004943	0.000862
785.871	0.0043197	0.000824
786.353	0.0043547	0.001266
786.836	0.0055238	0.00145
787.318	0.0050449	0.000782
787.8	0.0057784	0.00109
788.282	0.0069665	0.000812
788.764	0.0023195	0.000862
789.246	0.0029766	0.001063
789.728	0.0039438	0.000866
790.21	0.0035739	0.001169
790.692	0.0032459	0.001152
791.175	0.0045708	0.00097
791.657	0.0041035	0.000725
792.139	0.0028035	0.000792
792.621	0.0013164	0.000872
793.103	0.0029702	0.000824

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0033013	0.001376
794.067	0.0068524	0.001802
794.549	0.0036658	0.001391
795.032	0.0035646	0.001233
795.514	0.0043052	0.000914
795.996	0.012078	0.000403
796.478	0.0029397	0.000912
796.96	0.0043069	0.001318
797.442	0.005876	0.000471
797.924	0.005515	0.00047
798.406	0.0052234	0.001127
798.888	0.0029552	0.000671
799.371	0.0028145	0.001133
799.853	0.0029986	0.001197
800.335	0.0026203	0.001052
800.817	0.0036976	0.001561
801.299	0.0040669	0.001022
801.781	0.001314	0.001096
802.263	0.0040084	0.00093
802.745	0.0026924	0.000945
803.227	0.0039681	0.00104
803.71	0.0018159	0.000993
804.192	0.0026756	0.000858
804.674	0.0038492	0.000282
805.156	0.0043261	0.000667
805.638	0.0039818	0.000711
806.12	0.0084643	0.001386
806.602	0.0052917	0.001316
807.084	0.0054924	0.000905
807.567	0.0081703	0.001732
808.049	0.0038168	0.000997
808.531	0.0030846	0.000921
809.013	0.0036826	0.001328
809.495	0.0044423	0.000903
809.977	0.0031541	0.000794
810.459	0.0043707	0.000991
810.941	0.0019348	0.000845
811.423	0.0021037	0.001023
811.906	0.003861	0.000502
812.388	0.0070608	0.001062
812.87	0.0038241	0.00073
813.352	0.0040397	0.000756
813.834	0.0088199	0.00119
814.316	0.0104508	0.001308
814.798	0.0060486	0.001213

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0057089	0.001719
815.762	0.0078319	0.001128
816.245	0.0154515	0.001461
816.727	0.0117755	0.001361
817.209	0.0033656	0.001364
817.691	0.0042757	0.000995
818.173	0.0034617	0.002019
818.655	-0.000178	0.00517
819.137	0.0028002	0.001492
819.619	0.002536	0.000774
820.102	0.0020388	0.000922
820.584	0.0026349	0.000716
821.066	0.0039461	0.001319
821.548	0.0016431	0.00115
822.03	0.0019924	0.001263
822.512	0.0032403	0.001049
822.994	0.0040659	0.001321
823.476	0.0001695	0.001076
823.959	0.0017865	0.000933
824.441	0.0027259	0.000663
824.923	0.0043352	0.000993
825.405	0.0016517	0.000914
825.887	0.0028081	0.000791
826.369	0.0086597	0.001053
826.851	0.0105354	0.001429
827.333	0.0141985	0.001034
827.816	0.0145551	0.001112
828.298	0.0040646	0.001433
828.78	0.0046768	0.000916
829.262	0.0025496	0.001179
829.744	0.0021073	0.000825
830.226	0.0050605	0.001001
830.708	0.0062748	0.000604
831.19	0.00325	0.000802
831.672	0.0032553	0.000941
832.155	0.0073778	0.000931
832.637	0.0151942	0.000849
833.119	0.0058437	0.000846
833.601	0.0064041	0.000694
834.083	0.0100841	0.000815
834.565	0.0110316	0.000836
835.047	0.0040101	0.00143
835.529	0.0030884	0.000795
836.011	0.0027923	0.001144
836.494	0.003396	0.000595

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0031856	0.000814
837.458	0.0024736	0.000606
837.94	0.0028729	0.000674
838.422	0.0030102	0.000467
838.904	0.0036798	0.00048
839.386	0.0031498	0.000378
839.868	0.0037988	0.000779
840.351	0.0023904	0.000883
840.833	0.0036092	0.001255
841.315	0.0018861	0.000849
841.797	0.0023587	0.001057
842.279	0.0027037	0.001092
842.761	0.003528	0.000983
843.243	0.0026165	0.001084
843.725	0.0027156	0.0005
844.207	0.0036083	0.000548
844.69	0.0040354	0.001116
845.172	0.004768	0.000693
845.654	0.003595	0.000597
846.136	0.0057951	0.000473
846.618	0.0087875	0.000692
847.1	0.013891	0.001134
847.582	0.0206481	0.000966
848.064	0.0053652	0.000811
848.546	0.0039039	0.000985
849.029	0.005004	0.000646
849.511	0.0044557	0.001087
849.993	0.0052715	0.001063
850.475	0.0062702	0.000541
850.957	0.0093593	0.000679
851.439	0.0115173	0.000745
851.921	0.0061136	0.000977
852.403	0.0099673	0.000682
852.886	0.0124133	0.000559
853.368	0.0226332	0.000659
853.85	0.0234689	0.00089
854.332	0.0051024	0.000809
854.814	0.0031153	0.001447
855.296	0.0013419	0.001156
855.778	0.0024403	0.000726
856.26	0.0038432	0.000803
856.742	0.0026013	0.000719
857.225	0.0026212	0.000958
857.707	0.0038637	0.000622
858.189	0.0027555	0.000602

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0039303	0.000635
859.153	0.0034208	0.000846
859.635	0.0028856	0.000697
860.117	0.0032168	0.00068
860.599	0.0016874	0.000808
861.081	0.0031584	0.001265
861.564	0.0030971	0.000876
862.046	0.0032521	0.000685
862.528	0.0034909	0.00113
863.01	0.0038751	0.000805
863.492	0.0024728	0.000901
863.974	0.003766	0.000541
864.456	0.0033739	0.000505
864.938	0.0040366	0.000431
865.421	0.0043988	0.000899
865.903	0.0053707	0.000392
866.385	0.0054754	0.000965
866.867	0.0080503	0.000552
867.349	0.0243158	0.000875
867.831	0.0418435	0.000775
868.313	0.0053146	0.000971
868.795	0.0044118	0.001015
869.277	0.0035971	0.000992
869.76	0.003628	0.001034
870.242	0.0042802	0.000852
870.724	0.0040155	0.000576
871.206	0.0073229	0.000761
871.688	0.0123047	0.000708
872.17	0.0087819	0.000598
872.652	0.0098655	0.00092
873.134	0.0047136	0.000455
873.617	0.0042965	0.000737
874.099	0.0033225	0.000778
874.581	0.0042271	0.0006
875.063	0.0019785	0.001056
875.545	0.0031089	0.00086
876.027	0.0025269	0.001084
876.509	0.0030522	0.001031
876.991	0.003352	0.000563
877.474	0.0037988	0.000739
877.956	0.0045854	0.000679
878.438	0.0026667	0.000753
878.92	0.0020486	0.000741
879.402	0.0032713	0.000715
879.884	0.0030285	0.000508

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0027197	0.000449
880.848	0.0019729	0.000897
881.33	0.0017064	0.001115
881.813	0.0025355	0.00087
882.295	0.0030318	0.001289
882.777	0.0037408	0.000954
883.259	0.0028452	0.00111
883.741	0.0044488	0.00122
884.223	0.0033383	0.000775
884.705	0.004398	0.000648
885.187	0.0021611	0.000619
885.669	0.00486	0.000425
886.152	0.0053264	0.000544
886.634	0.0030964	0.000524
887.116	0.0079757	0.00071
887.598	0.0209011	0.000893
888.08	0.0196648	0.000786
888.562	0.0043099	0.000732
889.044	0.0034257	0.000966
889.526	0.0038145	0.000713
890.009	0.0038849	0.000837
890.491	0.004446	0.000505
890.973	0.0061945	0.00089
891.455	0.0125745	0.000867
891.937	0.0270444	0.000641
892.419	0.0082777	0.000793
892.901	0.0045808	0.000703
893.383	0.003641	0.00059
893.865	0.0030233	0.000769
894.348	0.003669	0.000385
894.83	0.0024129	0.000587
895.312	0.0035287	0.000933
895.794	0.0043906	0.000811
896.276	0.0032348	0.00133
896.758	0.0017566	0.000858
897.24	0.0027724	0.001018
897.722	0.0047057	0.000769
898.204	0.0013496	0.000765
898.687	0.0021184	0.000449
899.169	0.0028256	0.000568
899.651	0.0029789	0.000446
900.133	0.0030293	0.000661
900.615	0.0032948	0.000376
901.097	0.002728	0.00066
901.579	0.0028776	0.000832

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0026709	0.000818
902.544	0.0035311	0.000726
903.026	0.0029318	0.000996
903.508	0.0013618	0.000701
903.99	0.0036297	0.000771
904.472	0.003902	0.001199
904.954	0.0037426	0.000425
905.436	0.0033689	0.000259
905.918	0.004827	0.000648
906.4	0.0037308	0.00079
906.883	0.004377	0.000416
907.365	0.0112872	0.000344
907.847	0.0295807	0.000685
908.329	0.0209705	0.000842
908.811	0.0072966	0.000823
909.293	0.0037511	0.000573
909.775	0.0035803	0.000947
910.257	0.0047328	0.000685
910.739	0.0043449	0.001133
911.222	0.0033634	0.000987
911.704	0.0030478	0.000734
912.186	0.0052997	0.000634
912.668	0.0042492	0.000707
913.15	0.0016439	0.000448
913.632	0.0029862	0.000506
914.114	0.0030361	0.000397
914.596	0.0036044	0.000354
915.079	0.0047664	0.00065
915.561	0.0055732	0.000829
916.043	0.0044809	0.000562
916.525	0.0038448	0.000724
917.007	0.00465	0.000619
917.489	0.0039654	0.000735
917.971	0.0060301	0.000959
918.453	0.008558	0.000824
918.935	0.0045567	0.000584
919.418	0.0043213	0.00088
919.9	0.0033117	0.000545
920.382	0.0067711	0.000563
920.864	0.0127974	0.000513
921.346	0.0159246	0.000539
921.828	0.0080401	0.000409
922.31	0.0058362	0.000504
922.792	0.0071066	0.000717
923.275	0.0135506	0.0012

Ammonia

0.0998 Mole %

A15NH3
D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0135819	0.000595
924.239	0.0079917	0.001055
924.721	0.0091293	0.000846
925.203	0.016157	0.000864
925.685	0.0210033	0.00059
926.167	0.0133189	0.000841
926.649	0.0230671	0.000606
927.132	0.0489002	0.000426
927.614	0.0247736	0.000623
928.096	0.0270283	0.000359
928.578	0.0433777	0.000489
929.06	0.0384011	0.000222
929.542	0.0336434	0.000792
930.024	0.0525214	0.00074
930.506	0.0696344	0.000812
930.988	0.0649717	0.000837
931.471	0.0576182	0.000758
931.953	0.0437365	0.000709
932.435	0.0247275	0.001002
932.917	0.0301298	0.000702
933.399	0.0092211	0.000771
933.881	0.0137792	0.000494
934.363	0.0146261	0.000779
934.845	0.0048608	0.001041
935.328	0.0081718	0.00114
935.81	0.0074534	0.001403
936.292	0.0029843	0.000823
936.774	0.0050497	0.000918
937.256	0.0049578	0.000965
937.738	0.0027845	0.000623
938.22	0.0037514	0.000961
938.702	0.0034563	0.000626
939.184	0.0035937	0.00048
939.667	0.0034648	0.000678
940.149	0.0037546	0.00049
940.631	0.004544	0.00033
941.113	0.0026519	0.000629
941.595	0.0020595	0.00051
942.077	0.0035311	0.000397
942.559	0.0033252	0.000696
943.041	0.0028294	0.000591
943.523	0.0029664	0.000901
944.006	0.0031132	0.001005
944.488	0.0043845	0.000783
944.97	0.0052848	0.000828

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0037808	0.000493
945.934	0.0052625	0.000701
946.416	0.0035605	0.000512
946.898	0.0054753	0.000521
947.38	0.005549	0.000354
947.863	0.010727	0.000515
948.345	0.0122374	0.000632
948.827	0.0048612	0.000372
949.309	0.0052881	0.000637
949.791	0.0049237	0.000498
950.273	0.0061227	0.00083
950.755	0.005427	0.000587
951.237	0.0090105	0.000699
951.719	0.0176615	0.000659
952.202	0.0050987	0.00067
952.684	0.0034407	0.000613
953.166	0.0040124	0.000741
953.648	0.0040665	0.00051
954.13	0.0035054	0.000499
954.612	0.0040379	0.000573
955.094	0.0050228	0.000594
955.576	0.004601	0.000429
956.058	0.005246	0.000413
956.541	0.0041559	0.000749
957.023	0.0048827	0.000846
957.505	0.0058872	0.000786
957.987	0.0067383	0.000534
958.469	0.0066646	0.001102
958.951	0.007436	0.000853
959.433	0.0085999	0.000474
959.915	0.0090605	0.000662
960.398	0.0121042	0.000419
960.88	0.0146863	0.000301
961.362	0.0132598	0.00049
961.844	0.0208145	0.000583
962.326	0.0228469	0.000801
962.808	0.020496	0.000335
963.29	0.0327403	0.000353
963.772	0.0327511	0.000897
964.254	0.0460252	0.000769
964.737	0.0498605	0.001038
965.219	0.0767256	0.000631
965.701	0.0539567	0.000555
966.183	0.0785713	0.000806
966.665	0.084393	0.000808

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.0769769	0.00065
967.629	0.041242	0.000424
968.111	0.0108222	0.000594
968.594	0.0046907	0.000499
969.076	0.0034586	0.000806
969.558	0.0025677	0.000528
970.04	0.0039476	0.000559
970.522	0.0038798	0.000563
971.004	0.0041863	0.000494
971.486	0.0080774	0.000611
971.968	0.009411	0.001072
972.45	0.0023512	0.000722
972.933	0.0021436	0.000428
973.415	0.0027906	0.000632
973.897	0.0008657	0.000617
974.379	0.0022386	0.000664
974.861	0.0034092	0.000849
975.343	0.0020077	0.000698
975.825	0.0025364	0.000392
976.307	0.0028971	0.000803
976.79	0.002727	0.000779
977.272	0.0027069	0.000473
977.754	0.0023526	0.000753
978.236	0.0023057	0.00103
978.718	0.002205	0.000513
979.2	0.0014679	0.000824
979.682	0.0023832	0.000761
980.164	0.0022954	0.000518
980.646	0.0023596	0.000487
981.129	0.0020859	0.000424
981.611	0.0022065	0.000713
982.093	0.0013155	0.000342
982.575	0.0032567	0.000599
983.057	0.0035909	0.000481
983.539	0.0021928	0.000757
984.021	0.0020566	0.000637
984.503	0.002909	0.000805
984.986	0.002455	0.001105
985.468	0.0018356	0.000612
985.95	0.0018974	0.000639
986.432	0.0029487	0.000596
986.914	0.0028093	0.000496
987.396	0.0027059	0.000595
987.878	0.0031537	0.000417
988.36	0.0031673	0.000605

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0029983	0.000657
989.325	0.0029242	0.000429
989.807	0.0038987	0.000688
990.289	0.003503	0.000753
990.771	0.0077843	0.000508
991.253	0.0115935	0.000632
991.735	0.0197643	0.001095
992.217	0.0313975	0.000594
992.699	0.0353643	0.000779
993.181	0.0043464	0.000658
993.664	0.0011043	0.00058
994.146	0.0024617	0.000589
994.628	0.0030842	0.000489
995.11	0.0000346	0.000634
995.592	0.0021458	0.000312
996.074	0.0021192	0.000433
996.556	0.0039439	0.000432
997.038	0.0022054	0.000675
997.521	0.0016927	0.000746
998.003	0.0033161	0.000622
998.485	0.0015829	0.000761
998.967	0.0019444	0.000768
999.449	0.003199	0.000616
999.931	0.0025279	0.000689
1000.41	0.0010645	0.000719
1000.89	0.0023724	0.000292
1001.37	0.0026791	0.000575
1001.86	0.0016733	0.000462
1002.34	0.0025108	0.000406
1002.82	0.0028256	0.000687
1003.3	0.0025536	0.000504
1003.78	0.0015989	0.00054
1004.27	0.0032491	0.000567
1004.75	0.0039049	0.00065
1005.23	0.0032912	0.000854
1005.71	0.0037476	0.000386
1006.19	0.0049695	0.000897
1006.68	0.0100791	0.000742
1007.16	0.023308	0.000715
1007.64	0.0227565	0.000498
1008.12	0.0046901	0.000642
1008.6	0.0034687	0.00041
1009.09	0.0032024	0.000391
1009.57	0.0032995	0.000419
1010.05	0.0039139	0.000339

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0086281	0.000701
1011.02	0.0206601	0.000772
1011.5	0.0068744	0.00058
1011.98	0.0110136	0.000692
1012.46	0.0206268	0.000923
1012.94	0.0176318	0.000918
1013.43	0.0040563	0.000546
1013.91	0.0023838	0.0008
1014.39	0.0031623	0.000414
1014.87	0.0022076	0.000681
1015.35	0.000503	0.000796
1015.84	0.0019818	0.000752
1016.32	0.0021876	0.000404
1016.8	0.0004568	0.000721
1017.28	0.0010368	0.00044
1017.77	0.0015705	0.000706
1018.25	0.001355	0.000929
1018.73	0.0024681	0.00098
1019.21	0.0028312	0.000675
1019.69	0.001069	0.000493
1020.18	0.0014299	0.000788
1020.66	0.0023966	0.00068
1021.14	0.0027465	0.000796
1021.62	0.0020141	0.000314
1022.1	0.0016343	0.000376
1022.59	0.0024297	0.000594
1023.07	0.0015227	0.000618
1023.55	0.0011208	0.000723
1024.03	0.0022535	0.000921
1024.52	0.0038252	0.000795
1025	0.0027187	0.000452
1025.48	0.0021818	0.000554
1025.96	0.0066369	0.000909
1026.44	0.0127774	0.000714
1026.93	0.0262395	0.000779
1027.41	0.0040857	0.000895
1027.89	0.0024566	0.00074
1028.37	0.0025445	0.000813
1028.85	0.0023425	0.000566
1029.34	0.0039622	0.000717
1029.82	0.0051492	0.000715
1030.3	0.0113278	0.000595
1030.78	0.004588	0.000595
1031.26	0.008203	0.000555
1031.75	0.0159052	0.000481

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.0198764	0.001261
1032.71	0.0136502	0.00094
1033.19	0.0252794	0.000725
1033.67	0.0257632	0.000911
1034.16	0.0390234	0.001163
1034.64	0.0022786	0.00043
1035.12	0.0012368	0.000573
1035.6	0.0021698	0.000583
1036.08	0.001509	0.000662
1036.57	0.0015367	0.000456
1037.05	0.0019093	0.000887
1037.53	0.0025319	0.000712
1038.01	0.0031804	0.000549
1038.49	0.0017761	0.000678
1038.98	0.0040362	0.000727
1039.46	0.0021314	0.000868
1039.94	0.00283	0.000836
1040.42	0.0032069	0.000791
1040.9	0.003692	0.000641
1041.39	0.0019001	0.000719
1041.87	0.001954	0.000843
1042.35	0.0032453	0.000722
1042.83	0.0029098	0.000671
1043.32	0.003065	0.000626
1043.8	0.0037308	0.000692
1044.28	0.0046117	0.000431
1044.76	0.0065553	0.000472
1045.24	0.0114404	0.000589
1045.73	0.0327855	0.000958
1046.21	0.0731162	0.000542
1046.69	0.0103043	0.000908
1047.17	0.0039117	0.000648
1047.65	0.0032821	0.000829
1048.14	0.0030476	0.000788
1048.62	0.0059116	0.000778
1049.1	0.0063729	0.000551
1049.58	0.0028438	0.00052
1050.06	0.0040716	0.000433
1050.55	0.0056621	0.000532
1051.03	0.0068201	0.000343
1051.51	0.0101699	0.000427
1051.99	0.0049581	0.000752
1052.47	0.0106261	0.000801
1052.96	0.0228542	0.000712
1053.44	0.0079364	0.000732

Ammonia

0.0998 Mole %

A15NH3
D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0114212	0.00092
1054.4	0.0119472	0.000913
1054.88	0.0146297	0.000691
1055.37	0.0025819	0.000817
1055.85	0.0017235	0.000409
1056.33	0.001859	0.000428
1056.81	0.0029176	0.00047
1057.29	-0.000712	0.000515
1057.78	0.001036	0.000825
1058.26	0.0035992	0.000611
1058.74	0.0020276	0.000577
1059.22	0.0009012	0.000422
1059.71	0.0036243	0.000827
1060.19	0.0026841	0.00076
1060.67	0.0020821	0.000738
1061.15	0.0028986	0.001064
1061.63	0.0034144	0.000699
1062.12	0.002673	0.000555
1062.6	0.0010862	0.000619
1063.08	0.0037914	0.000625
1063.56	0.0036168	0.000513
1064.04	0.0042919	0.000739
1064.53	0.0107345	0.000406
1065.01	0.0267802	0.000785
1065.49	0.0537232	0.000458
1065.97	0.0028579	0.00065
1066.45	0.0030255	0.000499
1066.94	0.0030449	0.000664
1067.42	0.0051954	0.000759
1067.9	0.0087795	0.001099
1068.38	0.0039985	0.000856
1068.86	0.0018767	0.000514
1069.35	0.0018343	0.00069
1069.83	0.0051232	0.000478
1070.31	0.0079782	0.000546
1070.79	0.0053656	0.000548
1071.27	0.0041975	0.000497
1071.76	0.0042741	0.000795
1072.24	0.0065377	0.000445
1072.72	0.008227	0.000486
1073.2	0.0057854	0.00101
1073.68	0.0087217	0.00065
1074.17	0.0151684	0.001209
1074.65	0.0079281	0.000721
1075.13	0.0175915	0.000979

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.017026	0.00047
1076.09	0.0152405	0.000511
1076.58	0.002892	0.000701
1077.06	0.0015736	0.00061
1077.54	0.001939	0.000615
1078.02	0.0027176	0.000473
1078.51	0.0025702	0.000484
1078.99	0.0021679	0.000595
1079.47	0.0030107	0.000633
1079.95	0.003074	0.000721
1080.43	0.0031699	0.000324
1080.92	0.0037803	0.00078
1081.4	0.0034594	0.001026
1081.88	0.003533	0.001004
1082.36	0.0036084	0.000504
1082.84	0.0056785	0.00067
1083.33	0.0095607	0.000621
1083.81	0.0236555	0.00062
1084.29	0.0521303	0.000436
1084.77	0.0265551	0.000421
1085.25	0.0058582	0.000625
1085.74	0.0050362	0.000636
1086.22	0.0053076	0.000694
1086.7	0.0020691	0.000893
1087.18	0.0023799	0.000443
1087.66	0.003015	0.000501
1088.15	0.003563	0.000745
1088.63	0.0041878	0.000604
1089.11	0.0079474	0.000643
1089.59	0.0038611	0.000464
1090.07	0.0016052	0.000606
1090.56	0.0021672	0.000553
1091.04	0.0036097	0.000718
1091.52	0.0052189	0.000485
1092	0.0031989	0.000856
1092.48	0.0034736	0.000588
1092.97	0.0039249	0.000791
1093.45	0.0068885	0.000915
1093.93	0.0051469	0.000875
1094.41	0.0056498	0.000879
1094.9	0.0111232	0.000823
1095.38	0.0057889	0.000476
1095.86	0.008047	0.000763
1096.34	0.0052452	0.000857
1096.82	0.0036508	0.000653

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0022305	0.000459
1097.79	0.0021207	0.000672
1098.27	0.0022082	0.000906
1098.75	0.0030644	0.000669
1099.23	0.0024173	0.000774
1099.72	0.0014919	0.000678
1100.2	0.0024406	0.000538
1100.68	0.0035214	0.000732
1101.16	0.0030661	0.000745
1101.64	0.003298	0.000896
1102.13	0.0073029	0.000765
1102.61	0.013038	0.000913
1103.09	0.0317148	0.00084
1103.57	0.0256496	0.000987
1104.05	0.007361	0.000696
1104.54	0.0035802	0.000807
1105.02	0.0043139	0.000794
1105.5	0.0023228	0.000671
1105.98	0.0032453	0.000738
1106.46	0.0008292	0.000379
1106.95	0.0028465	0.00065
1107.43	0.0026409	0.000758
1107.91	0.0039395	0.001009
1108.39	0.0021145	0.001073
1108.87	0.0022282	0.00095
1109.36	0.002994	0.001079
1109.84	0.0040469	0.000531
1110.32	0.0050225	0.000714
1110.8	0.0064373	0.000627
1111.28	0.0003153	0.000615
1111.77	0.0043602	0.000715
1112.25	0.0031478	0.000482
1112.73	0.0042844	0.000899
1113.21	0.0007332	0.000591
1113.7	0.0030849	0.000477
1114.18	0.0037139	0.00081
1114.66	0.0071158	0.000617
1115.14	0.0027957	0.000654
1115.62	0.0073818	0.000486
1116.11	0.0056994	0.000848
1116.59	0.0060247	0.000521
1117.07	0.006124	0.000855
1117.55	0.0103945	0.000569
1118.03	0.0012871	0.000927
1118.52	0.0045417	0.000444

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0010205	0.000522
1119.48	0.0027213	0.000443
1119.96	0.0034783	0.000562
1120.44	0.0030795	0.000614
1120.93	0.0057702	0.000619
1121.41	0.0182201	0.000653
1121.89	0.0403426	0.000944
1122.37	0.00938	0.000734
1122.85	0.0026645	0.000512
1123.34	0.0043064	0.000774
1123.82	0.0027884	0.000712
1124.3	0.0040985	0.000629
1124.78	0.0023191	0.000467
1125.26	0.0034478	0.000413
1125.75	0.0035213	0.000669
1126.23	0.0023038	0.000465
1126.71	0.001496	0.000491
1127.19	0.0023083	0.00077
1127.67	0.0019681	0.000416
1128.16	0.001674	0.00074
1128.64	0.0033518	0.000627
1129.12	0.0022433	0.000692
1129.6	0.003391	0.000684
1130.09	0.0013492	0.000577
1130.57	0.0033726	0.000776
1131.05	0.0021929	0.000432
1131.53	0.0050923	0.000493
1132.01	0.0020664	0.000543
1132.5	0.0023727	0.000331
1132.98	0.00166	0.000339
1133.46	0.0023732	0.000426
1133.94	0.0029672	0.00063
1134.42	0.0027147	0.000522
1134.91	0.0036212	0.000629
1135.39	0.0037188	0.000655
1135.87	0.0038888	0.00103
1136.35	0.0031663	0.000607
1136.83	0.0062119	0.000571
1137.32	0.0022622	0.000296
1137.8	0.0037688	0.000556
1138.28	0.0024492	0.000316
1138.76	0.0040229	0.000636
1139.24	0.0028433	0.000569
1139.73	0.006383	0.000447
1140.21	0.0146725	0.000784

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0180534	0.000762
1141.17	0.0026784	0.000713
1141.65	0.0024924	0.00062
1142.14	0.0019311	0.000908
1142.62	0.0013025	0.00066
1143.1	0.0018534	0.000699
1143.58	0.0020387	0.000688
1144.06	0.0017665	0.000461
1144.55	0.0015236	0.00048
1145.03	0.0020347	0.000485
1145.51	0.0020075	0.000386
1145.99	0.0019296	0.000496
1146.48	0.001421	0.000692
1146.96	0.0017055	0.000671
1147.44	0.0024201	0.000556
1147.92	0.002821	0.000589
1148.4	0.0017126	0.000602
1148.89	0.0016522	0.000628
1149.37	0.0013006	0.000936
1149.85	0.001733	0.000694
1150.33	0.0029043	0.000679
1150.81	0.0015342	0.000783
1151.3	0.0028123	0.00056
1151.78	0.0017667	0.000399
1152.26	0.0024625	0.000399
1152.74	0.0028651	0.000518
1153.22	0.0019583	0.000453
1153.71	0.0006301	0.000797
1154.19	0.0015901	0.000362
1154.67	0.002653	0.000467
1155.15	0.0019931	0.000651
1155.63	0.0036998	0.000622
1156.12	0.0032195	0.000711
1156.6	0.0027969	0.000525
1157.08	0.0032766	0.000446
1157.56	0.0037438	0.000678
1158.04	0.0061841	0.000489
1158.53	0.0126483	0.000491
1159.01	0.0138033	0.000801
1159.49	0.0037362	0.000348
1159.97	0.0017628	0.000286
1160.45	0.002264	0.000357
1160.94	0.0021359	0.000445
1161.42	0.0023086	0.000422
1161.9	0.0014844	0.000428

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	0.0019803	0.000812
1162.86	0.0014259	0.000388
1163.35	0.0023244	0.000408
1163.83	0.0023869	0.001041
1164.31	0.0024998	0.000681
1164.79	0.0024725	0.000288
1165.28	0.0029373	0.000257
1165.76	0.0015958	0.000371
1166.24	0.0021335	0.000351
1166.72	0.0007434	0.000689
1167.2	0.00178	0.000487
1167.69	0.0023683	0.000338
1168.17	0.0011232	0.000285
1168.65	0.0020801	0.000437
1169.13	0.0012845	0.00069
1169.61	0.0017939	0.000615
1170.1	0.0015548	0.000648
1170.58	0.0023563	0.000438
1171.06	0.0020698	0.000402
1171.54	0.0020427	0.000335
1172.02	0.0019164	0.00035
1172.51	0.0007702	0.000431
1172.99	0.0014115	0.00049
1173.47	0.0031172	0.000445
1173.95	0.0027484	0.000408
1174.43	0.0030231	0.00042
1174.92	0.001076	0.000496
1175.4	0.0028239	0.000556
1175.88	0.0017459	0.00044
1176.36	0.0042451	0.000455
1176.84	0.0083414	0.00082
1177.33	0.0043797	0.000429
1177.81	0.0016042	0.000624
1178.29	0.0023243	0.000521
1178.77	0.0014549	0.000699
1179.25	0.0015063	0.000316
1179.74	0.0014943	0.000513
1180.22	0.0025479	0.000532
1180.7	0.001442	0.00043
1181.18	0.000789	0.000449
1181.67	0.0021207	0.000405
1182.15	0.0024883	0.000587
1182.63	0.0019472	0.000576
1183.11	0.0011847	0.000336
1183.59	0.001851	0.000725

Ammonia

0.0998 Mole %

A15NH3

D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0020588	0.000301
1184.56	0.000909	0.000712
1185.04	0.0022028	0.000464
1185.52	0.0026644	0.000273
1186	0.0015606	0.000638
1186.49	0.0021838	0.000462
1186.97	0.001738	0.000303
1187.45	0.0016332	0.000536
1187.93	0.0017251	0.000345
1188.41	0.001682	0.000249
1188.9	0.001129	0.000553
1189.38	0.0015757	0.000502
1189.86	0.002289	0.000631
1190.34	0.0016514	0.000383
1190.82	0.0016481	0.00063
1191.31	0.0010854	0.000725
1191.79	0.0018982	0.000605
1192.27	0.0017032	0.000579
1192.75	0.0013448	0.000292
1193.23	0.0018222	0.00037
1193.72	0.0022639	0.000337
1194.2	0.0029772	0.000329
1194.68	0.0043224	0.000503
1195.16	0.0040488	0.000173
1195.64	0.0017009	0.000417
1196.13	0.0017737	0.000661
1196.61	0.0013028	0.000562
1197.09	0.0015977	0.000463
1197.57	0.0023623	0.000698
1198.06	0.0026207	0.000376
1198.54	0.0014347	0.000422
1199.02	0.0017508	0.000626
1199.5	0.0017075	0.000323
1199.98	0.0013427	0.000378
1200.47	0.0017365	0.000534
1200.95	0.0016992	0.000159
1201.43	0.0011667	0.000418
1201.91	0.0016027	0.000487
1202.39	0.0011317	0.000223
1202.88	0.0010921	0.000488
1203.36	0.0013647	0.000346
1203.84	0.0015393	0.000824
1204.32	0.0022513	0.000516
1204.8	0.0011016	0.000582
1205.29	0.001653	0.000481

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0018098	0.000489
1206.25	0.0010673	0.000528
1206.73	0.0015524	0.00027
1207.21	0.0014175	0.000214
1207.7	0.0015507	0.000551
1208.18	0.0007001	0.000381
1208.66	0.0016949	0.000302
1209.14	0.001799	0.000297
1209.62	0.0014336	0.000465
1210.11	0.0007408	0.000492
1210.59	0.0012149	0.000607
1211.07	0.0015547	0.000443
1211.55	0.0016353	0.000657
1212.03	0.0039241	0.000636
1212.52	0.0028635	0.000371
1213	0.0019838	0.000412
1213.48	0.0015158	0.000448
1213.96	0.0016156	0.000321
1214.45	0.0019147	0.000332
1214.93	0.0015761	0.000343
1215.41	0.0025335	0.000493
1215.89	0.0015466	0.000356
1216.37	0.0007639	0.000311
1216.86	0.0010729	0.000435
1217.34	0.0022973	0.000484
1217.82	0.0012267	0.000346
1218.3	0.0007574	0.000363
1218.78	0.0008068	0.000591
1219.27	0.0017286	0.000391
1219.75	0.0018536	0.000265
1220.23	0.0004905	0.000601
1220.71	0.0019458	0.000429
1221.19	0.0015962	0.000373
1221.68	0.0015901	0.000349
1222.16	0.001011	0.000508
1222.64	0.0014154	0.000451
1223.12	0.0017274	0.000376
1223.6	0.0015642	0.000506
1224.09	0.0017696	0.000426
1224.57	0.0020623	0.000464
1225.05	0.002158	0.000575
1225.53	0.0016226	0.00061
1226.01	0.0013183	0.000447
1226.5	0.0015945	0.000284
1226.98	0.0008573	0.000392

Ammonia

0.0998 Mole %

A15NH3

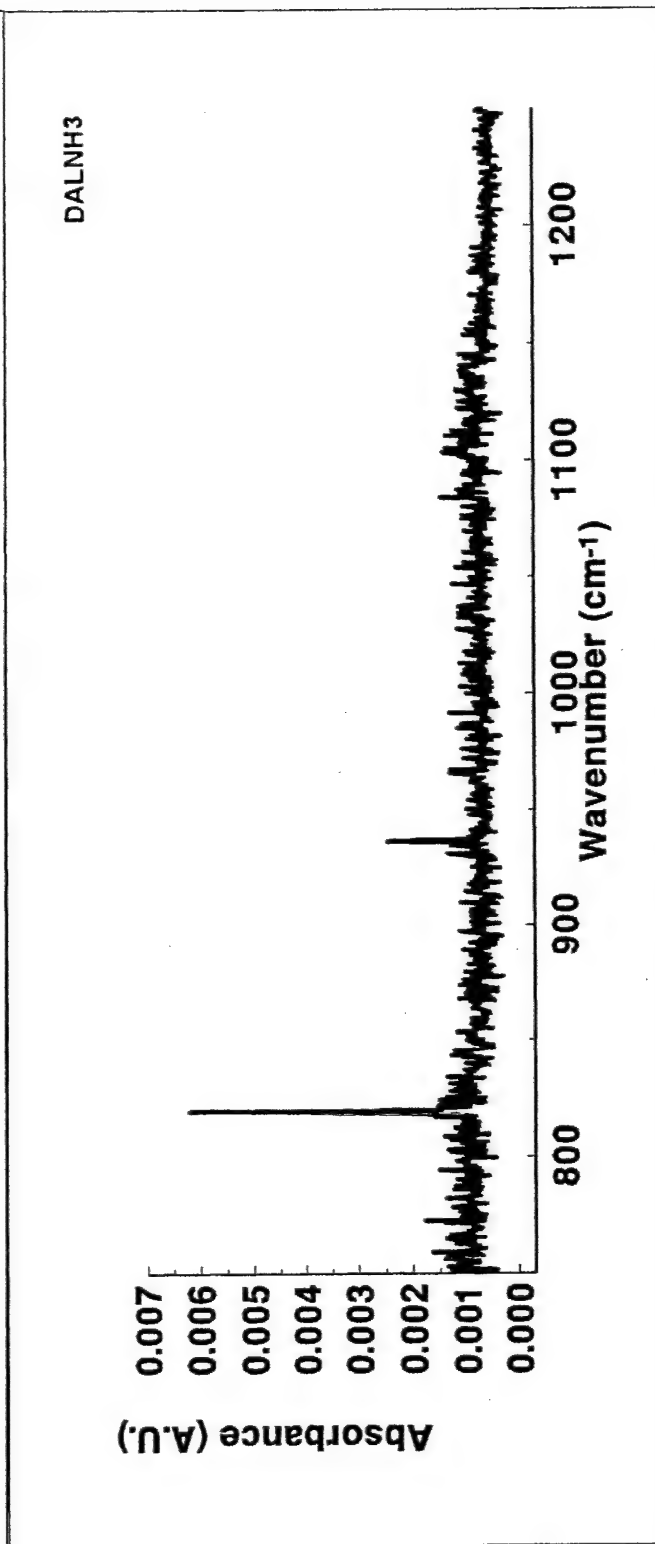
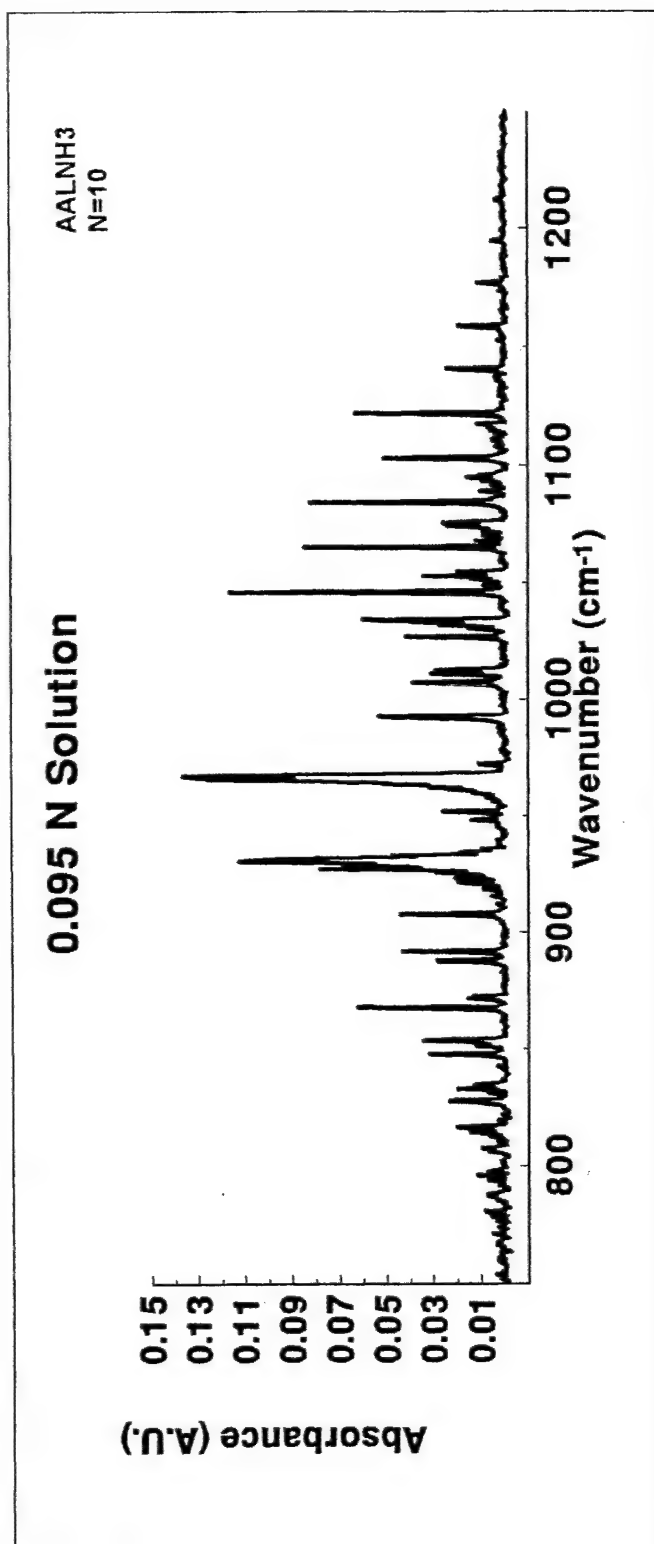
D15NH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0026979	0.000285
1227.94	0.0005543	0.000258
1228.42	0.0008731	0.000257
1228.91	0.0017299	0.000408
1229.39	0.0013905	0.000452
1229.87	0.0013922	0.00039
1230.35	0.0014976	0.000451
1230.83	0.001995	0.000347
1231.32	0.00182	0.000335
1231.8	0.0016863	0.00057
1232.28	0.0022281	0.000298
1232.76	0.0014214	0.000516
1233.25	0.0012234	0.000408
1233.73	0.0015544	0.00044
1234.21	0.0015413	0.000745
1234.69	0.0010744	0.000337
1235.17	0.0014954	0.000577
1235.66	0.0010846	0.000342
1236.14	0.0009774	0.000339
1236.62	0.0012495	0.000434
1237.1	0.0019865	0.00053
1237.58	0.0013637	0.000443
1238.07	0.0003845	0.000583
1238.55	0.001081	0.000235
1239.03	0.0017614	0.000409
1239.51	0.0005441	0.00053
1239.99	0.0015876	0.000235
1240.48	0.0016651	0.000381
1240.96	0.0012118	0.000381
1241.44	0.0014568	0.000336
1241.92	0.001768	0.000499
1242.4	0.0012717	0.000335
1242.89	0.0019102	0.000431
1243.37	0.0020105	0.000485
1243.85	0.0019758	0.000334
1244.33	0.0012329	0.000387
1244.81	0.001641	0.000529
1245.3	0.0011617	0.000392
1245.78	0.0019294	0.000417
1246.26	0.0010843	0.000305
1246.74	0.0017817	0.000538
1247.22	0.0018856	0.000474
1247.71	0.0012712	0.000596
1248.19	0.0014908	0.000341
1248.67	0.0005451	0.000276

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0013985	0.000341
1249.63	0.0020911	0.000512
1250.12	0.0017401	0.000293

Blank

APPENDIX D
COMMERCIAL SOLUTION AMMONIA SPECTRA



Ammonia

0.095 N Solution

AALNH3
DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0000809	0.000954
750.677	-0.0012804	0.001281
751.159	-0.0013527	0.000428
751.641	0.0014633	0.000878
752.123	0.0006101	0.001047
752.605	0.0007885	0.001339
753.087	-0.0006811	0.001013
753.57	0.0029957	0.001177
754.052	-0.0005322	0.000775
754.534	0.0007958	0.000768
755.016	0.0000561	0.000776
755.498	-0.0007246	0.001048
755.98	-0.0006433	0.001394
756.462	-0.0002901	0.001375
756.944	-0.0008516	0.001149
757.426	-0.0004455	0.000701
757.909	-0.0004279	0.000817
758.391	0.0013369	0.00083
758.873	0.0015037	0.001627
759.355	0.0022907	0.001026
759.837	-0.0003669	0.000892
760.319	0.0020678	0.000661
760.801	0.0021042	0.000902
761.283	0.0014383	0.000835
761.766	0.000784	0.000773
762.248	0.000882	0.001201
762.73	0.0016103	0.000853
763.212	-0.0025912	0.001015
763.694	0.0004424	0.000859
764.176	0.0002948	0.001218
764.658	0.0010377	0.001371
765.14	0.0003738	0.000677
765.622	0.0015894	0.001241
766.105	0.0031209	0.001295
766.587	0.001665	0.001119
767.069	0.0029769	0.000898
767.551	0.002816	0.000853
768.033	0.0021247	0.000972
768.515	0.0000166	0.000736
768.997	-0.0016657	0.000878
769.479	-0.0000911	0.000708
769.961	-0.0000357	0.000854
770.444	0.0008829	0.000841
770.926	0.0043779	0.000979
771.408	0.0001042	0.001399

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0001511	0.000676
772.372	0.001202	0.001753
772.854	-0.0009389	0.00089
773.336	0.0015603	0.000662
773.818	0.0023828	0.001112
774.301	0.0002434	0.001055
774.783	0.0006749	0.000636
775.265	-0.0007257	0.000728
775.747	-0.0016201	0.000797
776.229	0.003036	0.001139
776.711	0.0005834	0.001074
777.193	-0.0005617	0.00082
777.675	0.0017673	0.000852
778.157	0.005187	0.001252
778.64	-0.001203	0.001148
779.122	0.0018921	0.001025
779.604	0.003101	0.000633
780.086	0.0070894	0.000864
780.568	0.0079976	0.000952
781.05	-0.000146	0.000969
781.532	0.0003933	0.00091
782.014	-0.0022565	0.001372
782.497	-0.0009978	0.001176
782.979	-0.0002298	0.000748
783.461	-0.0005533	0.000938
783.943	0.000845	0.000793
784.425	-0.0003944	0.00089
784.907	0.001094	0.000899
785.389	0.0028295	0.000751
785.871	0.0033624	0.001236
786.353	0.003702	0.001024
786.836	0.0037165	0.000711
787.318	0.0066223	0.001199
787.8	0.0067968	0.00086
788.282	0.0052877	0.001028
788.764	0.0019614	0.000752
789.246	0.0004077	0.000866
789.728	-0.0014786	0.000976
790.21	-0.0001829	0.001165
790.692	-0.0015801	0.00082
791.175	-0.0000533	0.000674
791.657	0.0022429	0.000577
792.139	0.0006915	0.001003
792.621	0.0017375	0.00097
793.103	0.0004436	0.000757

Ammonia

0.095 N Solution

AALNH3
DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0035472	0.000721
794.067	0.0065108	0.00149
794.549	-0.00014	0.001171
795.032	0.0017849	0.000766
795.514	0.004748	0.000923
795.996	0.0110977	0.000838
796.478	-0.0012644	0.001029
796.96	0.0023568	0.001006
797.442	0.0067519	0.000985
797.924	0.0053311	0.001175
798.406	0.0018316	0.000979
798.888	0.000552	0.00107
799.371	-0.0007954	0.000455
799.853	-0.0003763	0.000923
800.335	0.0008358	0.001012
800.817	-0.0002054	0.00066
801.299	0.0009047	0.001039
801.781	0.0011721	0.001276
802.263	0.0005337	0.000631
802.745	0.0000632	0.001331
803.227	-0.0005739	0.001216
803.71	-0.001532	0.000981
804.192	-0.0013023	0.000667
804.674	-0.0005593	0.000737
805.156	0.0012019	0.000879
805.638	0.0034796	0.001093
806.12	0.006419	0.000603
806.602	0.005044	0.001058
807.084	0.0077919	0.001279
807.567	0.0093961	0.001035
808.049	0.0024437	0.000859
808.531	-0.0009312	0.001396
809.013	-0.0003049	0.000581
809.495	0.0020643	0.000581
809.977	0.0024564	0.001147
810.459	-0.0009809	0.000951
810.941	0.0012692	0.000877
811.423	0.0008058	0.000791
811.906	0.0023426	0.001172
812.388	0.0059714	0.00121
812.87	0.0016179	0.000763
813.352	0.0036006	0.000975
813.834	0.0090623	0.001081
814.316	0.0144173	0.000882
814.798	0.0041071	0.000759

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0069885	0.000998
815.762	0.0081493	0.001072
816.245	0.0194329	0.0009
816.727	0.0124287	0.001569
817.209	0.0002941	0.000827
817.691	-0.0004995	0.000997
818.173	-0.0005106	0.001582
818.655	0.0003076	0.002177
819.137	0.0023636	0.003918
819.619	-0.0010424	0.006188
820.102	-0.0023152	0.001446
820.584	-0.0000942	0.001388
821.066	0.0001208	0.000945
821.548	0.0010163	0.001522
822.03	-0.001568	0.001495
822.512	-0.0001333	0.00104
822.994	-0.0016733	0.00066
823.476	-0.000797	0.001406
823.959	-0.0001773	0.001491
824.441	0.0008487	0.001407
824.923	0.0003002	0.000649
825.405	0.00121	0.001362
825.887	0.0025094	0.001114
826.369	0.0080972	0.000976
826.851	0.0114673	0.000942
827.333	0.0227337	0.000763
827.816	0.0200599	0.00129
828.298	0.0013333	0.000824
828.78	0.0012913	0.001206
829.262	-0.0002926	0.000852
829.744	0.0010292	0.000839
830.226	0.0021753	0.001117
830.708	0.0065551	0.000839
831.19	-0.0004595	0.001288
831.672	0.0012794	0.000921
832.155	0.0066483	0.000931
832.637	0.0192981	0.001102
833.119	0.0037193	0.000989
833.601	0.0079839	0.000681
834.083	0.0125313	0.001336
834.565	0.01191	0.000939
835.047	0.0026632	0.000919
835.529	0.0008858	0.00096
836.011	-0.0003787	0.000932
836.494	0.0007414	0.000857

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0001672	0.001029
837.458	-0.0001257	0.000778
837.94	-0.0003892	0.000828
838.422	-0.0007052	0.00076
838.904	-0.0014664	0.000577
839.386	-0.0008694	0.000603
839.868	-0.0005642	0.001003
840.351	0.0004273	0.00077
840.833	-0.0006653	0.000715
841.315	-0.0008862	0.000664
841.797	0.0008511	0.000514
842.279	0.0026104	0.001065
842.761	-0.0002335	0.000725
843.243	0.0002898	0.001265
843.725	-0.0004391	0.0009
844.207	-0.0007165	0.000932
844.69	-0.0003329	0.00101
845.172	0.0001701	0.001209
845.654	0.0010615	0.000814
846.136	0.0023632	0.000488
846.618	0.0065163	0.000716
847.1	0.020665	0.000576
847.582	0.0313942	0.000498
848.064	0.0047911	0.000872
848.546	0.0025535	0.000822
849.029	0.0011278	0.000878
849.511	0.0014575	0.000979
849.993	0.0012345	0.000688
850.475	0.0033579	0.000863
850.957	0.0117977	0.000833
851.439	0.0113322	0.000882
851.921	0.0061975	0.000984
852.403	0.0131356	0.000829
852.886	0.0150485	0.000999
853.368	0.0338948	0.001159
853.85	0.0327729	0.000839
854.332	0.0037498	0.000783
854.814	0.0010588	0.000511
855.296	-0.0003556	0.000861
855.778	0.0003161	0.000776
856.26	-0.0004856	0.000728
856.742	-0.0002486	0.000913
857.225	0.0001839	0.000628
857.707	-0.0000813	0.000869
858.189	-0.0001978	0.000755

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	-0.0006183	0.000616
859.153	-0.0013021	0.000903
859.635	-0.0003473	0.000632
860.117	-0.000158	0.000632
860.599	0.000188	0.000619
861.081	-0.0002469	0.000565
861.564	0.0011947	0.000699
862.046	-0.0006417	0.000573
862.528	0.0007402	0.000664
863.01	0.0009462	0.000676
863.492	0.0003889	0.000887
863.974	-0.0005639	0.000797
864.456	-0.0003595	0.000799
864.938	0.0007087	0.000858
865.421	0.0016117	0.000756
865.903	0.0023822	0.000858
866.385	0.0037862	0.00093
866.867	0.0113434	0.000469
867.349	0.0360636	0.000479
867.831	0.0620069	0.001122
868.313	0.0026336	0.000529
868.795	0.0019669	0.001001
869.277	-0.0001777	0.000573
869.76	0.0007935	0.000655
870.242	0.0011258	0.001004
870.724	0.002664	0.000413
871.206	0.0060243	0.000707
871.688	0.014829	0.000965
872.17	0.0099288	0.000415
872.652	0.0128983	0.000937
873.134	0.0003624	0.000624
873.617	-0.0008244	0.001112
874.099	-0.0003052	0.000976
874.581	-0.0003573	0.000749
875.063	0.0002087	0.000744
875.545	-0.0002957	0.000781
876.027	5.36E-06	0.001048
876.509	0.0006011	0.000797
876.991	0.0007489	0.000412
877.474	-0.0006556	0.000304
877.956	0.0003045	0.000911
878.438	-0.0000192	0.00069
878.92	-0.0006674	0.000543
879.402	-0.0010468	0.001016
879.884	0.0002697	0.000588

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	-0.0010153	0.000819
880.848	-0.0005125	0.000538
881.33	0.0001837	0.000768
881.813	-0.0007487	0.000473
882.295	-0.0000369	0.000495
882.777	0.0011435	0.000951
883.259	-0.0004894	0.000619
883.741	-0.0001723	0.000664
884.223	-0.0001458	0.000851
884.705	-0.0008514	0.000806
885.187	-0.0003325	0.000538
885.669	0.0016449	0.000832
886.152	0.0016357	0.000675
886.634	0.0041296	0.000911
887.116	0.0085835	0.000564
887.598	0.0275579	0.000813
888.08	0.0280528	0.000922
888.562	0.0030853	0.000736
889.044	0.0011879	0.001045
889.526	0.0011865	0.000582
890.009	0.0015814	0.000715
890.491	0.0029442	0.000548
890.973	0.0049602	0.000772
891.455	0.0174914	0.000445
891.937	0.0427367	0.000794
892.419	0.0061066	0.00092
892.901	0.0016195	0.000636
893.383	0.0008389	0.000415
893.865	-0.0005263	0.000734
894.348	-0.000843	0.000614
894.83	-0.0005544	0.000627
895.312	0.0010212	0.000318
895.794	0.0001164	0.000565
896.276	0.000401	0.000732
896.758	0.0002864	0.000982
897.24	-0.0003633	0.001101
897.722	-0.0010492	0.000808
898.204	0.0007541	0.000654
898.687	-0.0001619	0.000725
899.169	0.0003802	0.000715
899.651	-0.001137	0.000869
900.133	0.0002697	0.000442
900.615	0.0003192	0.000369
901.097	-0.0009175	0.000746
901.579	-0.0001609	0.000904

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	-0.0002061	0.000656
902.544	0.0003196	0.000822
903.026	0.0001271	0.000656
903.508	0.0002606	0.000897
903.99	0.0013523	0.000435
904.472	0.0008105	0.0005
904.954	0.0017741	0.000681
905.436	0.0017656	0.000911
905.918	0.0030056	0.000465
906.4	0.0034173	0.000676
906.883	0.0050791	0.0009
907.365	0.0138267	0.000574
907.847	0.0440204	0.000778
908.329	0.0281922	0.000739
908.811	0.0050208	0.000629
909.293	0.0019759	0.000398
909.775	0.0015351	0.001076
910.257	0.0013751	0.000472
910.739	-0.0005202	0.000533
911.222	0.0009445	0.000697
911.704	0.0009656	0.00033
912.186	0.0026726	0.000515
912.668	0.0006012	0.000376
913.15	0.000052	0.000626
913.632	-0.0005526	0.000726
914.114	0.000619	0.000915
914.596	0.0007013	0.000993
915.079	0.0029977	0.000763
915.561	0.0049344	0.000664
916.043	0.0015882	0.000581
916.525	0.0013067	0.000864
917.007	0.0018292	0.000799
917.489	0.0016112	0.000935
917.971	0.0035176	0.00047
918.453	0.0086214	0.000361
918.935	0.0021008	0.000874
919.418	0.0021024	0.000603
919.9	0.0031348	0.000823
920.382	0.0056583	0.000618
920.864	0.0156021	0.000681
921.346	0.0192044	0.000801
921.828	0.0076469	0.000654
922.31	0.0046465	0.000764
922.792	0.0079395	0.000522
923.275	0.0206987	0.00068

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0165455	0.000756
924.239	0.0086999	0.000688
924.721	0.0108633	0.000349
925.203	0.0219081	0.000874
925.685	0.0287491	0.000617
926.167	0.016191	0.00063
926.649	0.0336381	0.000771
927.132	0.0778979	0.000773
927.614	0.0351793	0.000547
928.096	0.0416558	0.000437
928.578	0.0685666	0.000731
929.06	0.0592288	0.000459
929.542	0.0546641	0.000987
930.024	0.0821936	0.000516
930.506	0.112113	0.001138
930.988	0.106656	0.00133
931.471	0.0927806	0.000789
931.953	0.0682721	0.000588
932.435	0.0373762	0.000758
932.917	0.0473225	0.000739
933.399	0.0118283	0.000898
933.881	0.0188544	0.001016
934.363	0.0181659	0.001275
934.845	0.0058498	0.000615
935.328	0.0072874	0.001054
935.81	0.0092048	0.000812
936.292	-0.0001527	0.002422
936.774	0.0027473	0.002321
937.256	0.0027618	0.000793
937.738	0.0019706	0.000686
938.22	0.0016033	0.000949
938.702	0.0020997	0.000644
939.184	0.0026156	0.00087
939.667	0.0014943	0.000861
940.149	0.0005027	0.000434
940.631	0.000812	0.00064
941.113	-0.000432	0.000904
941.595	-0.000019	0.000538
942.077	-0.0012668	0.00078
942.559	0.0005601	0.000622
943.041	-0.0007254	0.00066
943.523	-0.0001396	0.000572
944.006	0.0004876	0.000722
944.488	0.0020242	0.000611
944.97	0.0022773	0.000651

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0028665	0.000531
945.934	0.0025515	0.000521
946.416	0.0021404	0.000582
946.898	0.0023542	0.00068
947.38	0.0046581	0.000514
947.863	0.0136242	0.000916
948.345	0.0120749	0.000737
948.827	0.0028596	0.000537
949.309	0.0053166	0.000819
949.791	0.0029889	0.000652
950.273	0.0010655	0.000974
950.755	0.0053034	0.000595
951.237	0.0116759	0.000488
951.719	0.025374	0.000765
952.202	0.0022611	0.000572
952.684	0.0022476	0.000542
953.166	0.0024249	0.000621
953.648	-0.000426	0.000845
954.13	0.0015354	0.000942
954.612	0.0015087	0.000786
955.094	0.0014999	0.00054
955.576	0.0023127	0.000686
956.058	0.0047452	0.000727
956.541	0.0028025	0.000871
957.023	0.0040051	0.00057
957.505	0.0069719	0.000806
957.987	0.0075226	0.000744
958.469	0.0048979	0.00048
958.951	0.0081689	0.000755
959.433	0.0135243	0.000782
959.915	0.0122361	0.000753
960.398	0.0140559	0.000602
960.88	0.0234035	0.000788
961.362	0.0183339	0.000706
961.844	0.0317861	0.000898
962.326	0.0317889	0.000837
962.808	0.0321883	0.000891
963.29	0.0514783	0.000724
963.772	0.0495212	0.000643
964.254	0.076631	0.000856
964.737	0.078952	0.000829
965.219	0.125826	0.000989
965.701	0.0891442	0.001279
966.183	0.130717	0.000771
966.665	0.136247	0.000592

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.123623	0.001268
967.629	0.0630149	0.000795
968.111	0.0123726	0.000715
968.594	0.0014265	0.000614
969.076	0.0011168	0.000726
969.558	0.0017904	0.000426
970.04	0.0021375	0.000784
970.522	0.0008663	0.000418
971.004	0.0025585	0.000679
971.486	0.0099618	0.000644
971.968	0.0105386	0.001026
972.45	0.0007374	0.001009
972.933	-0.0008381	0.000707
973.415	-0.0010343	0.000658
973.897	-0.0020125	0.000382
974.379	-0.001449	0.000369
974.861	-0.000929	0.00062
975.343	-0.0005055	0.0009
975.825	-0.0011749	0.000507
976.307	-0.0021393	0.001054
976.79	0.0007587	0.000805
977.272	-0.0012609	0.000653
977.754	0.0011421	0.000693
978.236	0.0003572	0.000605
978.718	-0.0000335	0.00072
979.2	0.0003043	0.000723
979.682	-0.0007088	0.0005
980.164	-0.0009602	0.000962
980.646	0.0000247	0.000794
981.129	-0.000078	0.000388
981.611	-0.0011523	0.000339
982.093	-0.0006672	0.000897
982.575	-0.0003047	0.000572
983.057	-3.31E-06	0.000772
983.539	-0.00073	0.000581
984.021	0.0008715	0.000779
984.503	0.0002885	0.000607
984.986	0.0010795	0.001126
985.468	0.0015966	0.000919
985.95	0.0008209	0.000878
986.432	-0.0004274	0.000683
986.914	0.0000357	0.001065
987.396	0.0020942	0.000905
987.878	0.0004716	0.000489
988.36	0.0009965	0.000658

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0003208	0.000688
989.325	0.0014856	0.000547
989.807	0.0023364	0.000663
990.289	0.0038611	0.000643
990.771	0.0066579	0.000688
991.253	0.0157273	0.000602
991.735	0.0312126	0.001283
992.217	0.0513386	0.000604
992.699	0.0528387	0.000678
993.181	0.0013276	0.000786
993.664	0.0001679	0.000479
994.146	-0.0013924	0.000376
994.628	-0.0006604	0.000825
995.11	-0.0009333	0.000662
995.592	-0.0005768	0.000408
996.074	-0.0000353	0.000843
996.556	0.0000455	0.000676
997.038	0.0010828	0.000472
997.521	-0.0003816	0.000531
998.003	0.0003653	0.00066
998.485	-0.0004874	0.000682
998.967	-0.0001963	0.000595
999.449	0.0002565	0.000802
999.931	0.0011758	0.000963
1000.41	-0.0006823	0.000526
1000.89	0.000108	0.000765
1001.37	-0.00047	0.000851
1001.86	0.0012192	0.000803
1002.34	-0.0000919	0.000482
1002.82	-0.001237	0.001077
1003.3	0.0006512	0.000818
1003.78	0.0013523	0.000641
1004.27	0.0013045	0.000533
1004.75	0.0024565	0.000486
1005.23	0.0024599	0.000892
1005.71	0.003558	0.000557
1006.19	0.005384	0.00077
1006.68	0.0139589	0.000532
1007.16	0.0384425	0.000934
1007.64	0.0320049	0.000667
1008.12	0.0049091	0.001036
1008.6	0.003125	0.000931
1009.09	0.0022178	0.000617
1009.57	0.0012903	0.000845
1010.05	0.0036094	0.001001

Ammonia

0.095 N Solution

AALNH3
DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0133862	0.000641
1011.02	0.0306804	0.00084
1011.5	0.0091204	0.000948
1011.98	0.0167029	0.00081
1012.46	0.028989	0.000609
1012.94	0.0261428	0.001088
1013.43	0.0033383	0.000649
1013.91	0.001064	0.000742
1014.39	-0.0004334	0.000675
1014.87	0.0011018	0.000521
1015.35	-0.0012307	0.000716
1015.84	-0.0000497	0.000557
1016.32	-0.0016017	0.000951
1016.8	-0.0004235	0.000772
1017.28	0.0007551	0.000462
1017.77	-0.0005634	0.000994
1018.25	-0.0005932	0.000658
1018.73	-0.0000917	0.000542
1019.21	0.0008118	0.00079
1019.69	0.0001918	0.000647
1020.18	0.0000854	0.000698
1020.66	0.0005416	0.000852
1021.14	-0.0004036	0.000593
1021.62	0.001205	0.000637
1022.1	-0.0004008	0.000607
1022.59	0.0009417	0.000591
1023.07	0.0001293	0.000725
1023.55	0.0006553	0.000811
1024.03	-0.00123	0.000724
1024.52	0.0005293	0.000664
1025	0.0013854	0.000512
1025.48	0.0017904	0.000608
1025.96	0.0072745	0.000893
1026.44	0.019458	0.00065
1026.93	0.0413207	0.000981
1027.41	0.0026799	0.001129
1027.89	0.0026215	0.000632
1028.37	0.0010605	0.000761
1028.85	0.0003685	0.000558
1029.34	0.0028533	0.000727
1029.82	0.007167	0.000698
1030.3	0.0150907	0.000847
1030.78	0.0045987	0.000459
1031.26	0.0108409	0.000605
1031.75	0.0272986	0.00066

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.0275852	0.001109
1032.71	0.0173383	0.000645
1033.19	0.0387418	0.000888
1033.67	0.0405787	0.000863
1034.16	0.0598467	0.001099
1034.64	0.0015254	0.000939
1035.12	0.0003808	0.001063
1035.6	-0.0011905	0.000792
1036.08	-0.001906	0.000557
1036.57	-0.0010823	0.000576
1037.05	-0.000387	0.001113
1037.53	-0.0014276	0.001035
1038.01	0.000289	0.000891
1038.49	0.0010014	0.000627
1038.98	0.0014932	0.000727
1039.46	0.0013829	0.000757
1039.94	0.0005856	0.000603
1040.42	0.0003009	0.000721
1040.9	0.0014742	0.000923
1041.39	0.0001427	0.00053
1041.87	-0.0010068	0.00061
1042.35	0.0013728	0.000582
1042.83	0.0002778	0.000725
1043.32	0.0006652	0.000824
1043.8	0.0015231	0.000731
1044.28	0.004739	0.000689
1044.76	0.0057323	0.000713
1045.24	0.0154524	0.000608
1045.73	0.0505658	0.000722
1046.21	0.116056	0.000755
1046.69	0.0110835	0.001214
1047.17	0.0030199	0.000623
1047.65	0.001394	0.000882
1048.14	0.0011692	0.00064
1048.62	0.0029776	0.000489
1049.1	0.0086123	0.000654
1049.58	0.0031203	0.0009
1050.06	0.0020015	0.000599
1050.55	0.0034392	0.000741
1051.03	0.008546	0.000651
1051.51	0.0139019	0.000764
1051.99	0.0055047	0.000535
1052.47	0.0153331	0.000756
1052.96	0.0338818	0.00065
1053.44	0.0076049	0.000838

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0165801	0.001158
1054.4	0.0171705	0.000958
1054.88	0.0194824	0.000424
1055.37	0.0006768	0.000569
1055.85	-0.0000479	0.00101
1056.33	-0.0006931	0.000526
1056.81	-0.0011068	0.000401
1057.29	-0.0007917	0.000746
1057.78	-0.0001982	0.000672
1058.26	-0.0009353	0.000652
1058.74	0.0012816	0.000766
1059.22	0.0003192	0.000497
1059.71	0.0014025	0.000627
1060.19	0.0001633	0.001014
1060.67	0.001493	0.000713
1061.15	0.0011511	0.00081
1061.63	0.0009663	0.000846
1062.12	0.0013151	0.000631
1062.6	-0.0006226	0.000858
1063.08	0.0025204	0.000699
1063.56	0.0035198	0.000485
1064.04	0.0033112	0.000679
1064.53	0.0124022	0.000851
1065.01	0.0411606	0.000874
1065.49	0.084599	0.000779
1065.97	0.0037544	0.000502
1066.45	0.0020463	0.000852
1066.94	0.0022215	0.000734
1067.42	0.0059294	0.00071
1067.9	0.0119592	0.000678
1068.38	0.0016413	0.0008
1068.86	0.0008792	0.000726
1069.35	0.00217	0.000996
1069.83	0.0042228	0.000621
1070.31	0.0088816	0.000601
1070.79	0.0033285	0.000763
1071.27	0.0013245	0.000614
1071.76	0.0045926	0.000876
1072.24	0.0091062	0.000614
1072.72	0.0076043	0.000852
1073.2	0.0065672	0.000646
1073.68	0.0155286	0.000864
1074.17	0.0234826	0.000438
1074.65	0.0107906	0.001045
1075.13	0.0238287	0.000602

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.0256018	0.001018
1076.09	0.0188859	0.00104
1076.58	0.0003951	0.000503
1077.06	0.0013987	0.000807
1077.54	-0.0004605	0.000689
1078.02	-0.0010758	0.00079
1078.51	0.0001007	0.000443
1078.99	-0.00015	0.000565
1079.47	-0.0003203	0.000848
1079.95	-0.0007426	0.001034
1080.43	0.0013645	0.000633
1080.92	0.0000232	0.000543
1081.4	0.001215	0.000591
1081.88	0.0018821	0.0007
1082.36	0.0034322	0.000741
1082.84	0.0053766	0.000569
1083.33	0.0110574	0.000722
1083.81	0.0369199	0.001423
1084.29	0.0822981	0.000996
1084.77	0.0355365	0.000987
1085.25	0.0050612	0.001088
1085.74	0.0059757	0.000582
1086.22	0.0045735	0.000753
1086.7	0.0002035	0.000823
1087.18	0.0015848	0.001124
1087.66	-0.0003473	0.000979
1088.15	0.0010456	0.000879
1088.63	0.0048845	0.000879
1089.11	0.0097923	0.000638
1089.59	0.0027912	0.000998
1090.07	-0.0001669	0.000695
1090.56	0.0000584	0.000724
1091.04	0.0026898	0.000796
1091.52	0.0052774	0.000689
1092	0.0028161	0.000707
1092.48	0.0014234	0.000754
1092.97	0.0043328	0.000886
1093.45	0.009224	0.00066
1093.93	0.0047585	0.00104
1094.41	0.0079838	0.000331
1094.9	0.0154428	0.000543
1095.38	0.0057842	0.001
1095.86	0.0102029	0.000779
1096.34	0.0043578	0.000581
1096.82	0.003477	0.000877

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0012517	0.000889
1097.79	0.0002709	0.00084
1098.27	-0.0010435	0.000627
1098.75	0.000417	0.000867
1099.23	0.0002513	0.000584
1099.72	-0.0006287	0.000919
1100.2	-0.0014414	0.000702
1100.68	0.0012139	0.00057
1101.16	0.0025281	0.000987
1101.64	0.0044636	0.001096
1102.13	0.0068307	0.000822
1102.61	0.0219674	0.001077
1103.09	0.0506237	0.001335
1103.57	0.0345458	0.001392
1104.05	0.0064814	0.001121
1104.54	0.0020974	0.000953
1105.02	0.0017855	0.001026
1105.5	-0.0004012	0.001337
1105.98	0.0015174	0.000806
1106.46	-0.0013315	0.000599
1106.95	0.0005702	0.000571
1107.43	0.0007651	0.001095
1107.91	0.0033322	0.001029
1108.39	0.0004036	0.001071
1108.87	0.0003527	0.000723
1109.36	0.0013839	0.00088
1109.84	0.0008529	0.000791
1110.32	0.004152	0.000961
1110.8	0.0047274	0.00133
1111.28	0.0013579	0.000468
1111.77	0.0003539	0.000767
1112.25	0.0012618	0.001064
1112.73	0.003578	0.001224
1113.21	-0.0007663	0.000786
1113.7	0.0007904	0.000701
1114.18	0.0013069	0.000845
1114.66	0.0052743	0.000788
1115.14	0.003374	0.000896
1115.62	0.005036	0.001013
1116.11	0.006502	0.000708
1116.59	0.0062327	0.000773
1117.07	0.0071989	0.000431
1117.55	0.0112251	0.000975
1118.03	-0.0005883	0.000606
1118.52	-0.0004766	0.000865

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0002584	0.000801
1119.48	0.0007705	0.000404
1119.96	0.0013456	0.000316
1120.44	0.0026706	0.000751
1120.93	0.0093045	0.000805
1121.41	0.0266555	0.000669
1121.89	0.0630946	0.001089
1122.37	0.0083867	0.001124
1122.85	0.0021962	0.000675
1123.34	0.002081	0.000675
1123.82	0.0002683	0.00057
1124.3	0.0007439	0.000869
1124.78	0.0006362	0.000877
1125.26	0.0005631	0.001098
1125.75	0.0006657	0.000994
1126.23	0.0010198	0.00063
1126.71	-0.0001249	0.000886
1127.19	-0.0015474	0.000595
1127.67	-0.0004943	0.000925
1128.16	-0.0008443	0.000832
1128.64	0.0008048	0.000993
1129.12	0.0015947	0.000856
1129.6	-0.0004647	0.001136
1130.09	0.0003437	0.00114
1130.57	0.0006003	0.000882
1131.05	0.0016943	0.00063
1131.53	0.0013425	0.000855
1132.01	0.0014561	0.000875
1132.5	-0.0013748	0.000963
1132.98	1.72E-06	0.000597
1133.46	0.0006188	0.000909
1133.94	0.0012501	0.000644
1134.42	-0.0001127	0.000955
1134.91	0.000663	0.000721
1135.39	0.0027285	0.000625
1135.87	0.0011441	0.001045
1136.35	0.0032408	0.000798
1136.83	0.0035002	0.000811
1137.32	0.0035564	0.001062
1137.8	0.0018499	0.000911
1138.28	-0.0006526	0.001075
1138.76	0.0013671	0.001022
1139.24	0.0034377	0.000969
1139.73	0.0084828	0.001018
1140.21	0.0207542	0.000745

Ammonia

0.095 N Solution

AALNH3

DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0237663	0.00107
1141.17	0.0014139	0.000833
1141.65	0.0011444	0.000585
1142.14	-0.0000998	0.000812
1142.62	0.000698	0.000426
1143.1	0.00048	0.000415
1143.58	0.0004368	0.000977
1144.06	0.0003381	0.000635
1144.55	0.0002143	0.000638
1145.03	-0.0009723	0.000832
1145.51	-0.0003738	0.001086
1145.99	0.0000735	0.000662
1146.48	-0.0007873	0.000532
1146.96	-0.0004596	0.000664
1147.44	0.0004211	0.000646
1147.92	-0.0010195	0.000432
1148.4	-0.0004815	0.000672
1148.89	0.00046	0.000386
1149.37	-0.0004685	0.000646
1149.85	0.0001992	0.000737
1150.33	-0.0001582	0.000626
1150.81	-0.0003383	0.000543
1151.3	-0.000125	0.000614
1151.78	0.0002228	0.00074
1152.26	0.0008465	0.000594
1152.74	0.002125	0.000646
1153.22	-0.0001914	0.000587
1153.71	-0.0006988	0.001005
1154.19	-0.0002433	0.000782
1154.67	0.0012014	0.000574
1155.15	0.0002997	0.000592
1155.63	0.0006662	0.000851
1156.12	0.0013251	0.00095
1156.6	0.0013528	0.000418
1157.08	0.0021588	0.00043
1157.56	0.001809	0.000486
1158.04	0.0073166	0.00051
1158.53	0.0176964	0.000875
1159.01	0.0190683	0.000726
1159.49	0.0004766	0.000731
1159.97	0.0000285	0.000532
1160.45	-0.0010344	0.000707
1160.94	-0.0004675	0.000762
1161.42	0.0001084	0.000554
1161.9	-0.0006695	0.000578

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.000917	0.000493
1162.86	-0.0005593	0.000463
1163.35	-0.0000623	0.000613
1163.83	-0.0002239	0.00077
1164.31	0.0000836	0.000528
1164.79	0.0002705	0.000472
1165.28	0.0007	0.000616
1165.76	-0.0007591	0.000741
1166.24	-0.0017624	0.000545
1166.72	-0.0011787	0.000513
1167.2	0.0001815	0.000697
1167.69	-0.0013316	0.000523
1168.17	-0.0002932	0.000439
1168.65	0.0001824	0.000707
1169.13	-0.0000468	0.000565
1169.61	-0.0001106	0.000638
1170.1	-0.0002831	0.000626
1170.58	-0.000527	0.000878
1171.06	-0.0004521	0.000464
1171.54	-0.0002676	0.000603
1172.02	-0.0004682	0.00057
1172.51	-0.0014326	0.000581
1172.99	-0.0001137	0.000683
1173.47	0.0016314	0.000667
1173.95	-0.000574	0.000566
1174.43	0.0006926	0.000582
1174.92	2.40E-06	0.000486
1175.4	0.0009081	0.000381
1175.88	0.0019758	0.000412
1176.36	0.0046823	0.000599
1176.84	0.0108854	0.000374
1177.33	0.0018454	0.000582
1177.81	0.0004006	0.00043
1178.29	0.0006307	0.000644
1178.77	0.0008189	0.000359
1179.25	-0.0002636	0.000552
1179.74	-0.001542	0.000562
1180.22	-0.0007653	0.000884
1180.7	-0.0007964	0.000538
1181.18	-0.0006492	0.000659
1181.67	-0.0011294	0.000826
1182.15	-0.0005876	0.000589
1182.63	0.0000628	0.000475
1183.11	-0.0009511	0.000705
1183.59	-0.0003265	0.000433

Ammonia

0.095 N Solution

AALNH3
DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.0002881	0.000588
1184.56	-0.0003949	0.000503
1185.04	0.0000844	0.00078
1185.52	-0.0004768	0.000749
1186	0.0003031	0.000521
1186.49	0.0001923	0.000506
1186.97	0.0008257	0.000424
1187.45	-0.0004328	0.000843
1187.93	0.0004068	0.000569
1188.41	-0.0011152	0.000545
1188.9	0.0003447	0.000606
1189.38	-0.0005154	0.000499
1189.86	-0.0002175	0.000474
1190.34	-0.0009893	0.000437
1190.82	-0.0002131	0.000839
1191.31	-0.0001145	0.00049
1191.79	-0.0002989	0.000498
1192.27	-0.00078	0.000629
1192.75	-0.0008164	0.000514
1193.23	-0.0000429	0.000588
1193.72	0.0003808	0.000406
1194.2	0.0017383	0.000447
1194.68	0.0048634	0.000594
1195.16	0.0020497	0.000616
1195.64	0.0003287	0.000386
1196.13	0.0005254	0.0005
1196.61	-0.000228	0.000611
1197.09	0.0000432	0.000458
1197.57	0.0002413	0.000584
1198.06	-0.0002879	0.000567
1198.54	-0.0002062	0.000553
1199.02	0.0010087	0.00048
1199.5	-0.0000295	0.000521
1199.98	0.0004613	0.000384
1200.47	-0.0000969	0.000567
1200.95	-0.0001852	0.000668
1201.43	-0.0006882	0.000433
1201.91	-0.0004379	0.000557
1202.39	-0.0005029	0.000474
1202.88	-0.0007599	0.000595
1203.36	8.08E-06	0.000502
1203.84	0.0004249	0.000708
1204.32	0.000208	0.000379
1204.8	-0.0003217	0.000594
1205.29	0.000564	0.000558

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0004506	0.000522
1206.25	0.0005955	0.000534
1206.73	-0.0001708	0.000284
1207.21	-0.0006604	0.000584
1207.7	0.0002958	0.000691
1208.18	0.0000395	0.000501
1208.66	0.000288	0.000514
1209.14	0.0000932	0.000534
1209.62	0.0001835	0.000622
1210.11	0.0006733	0.000477
1210.59	-0.0001974	0.000562
1211.07	0.0006898	0.00067
1211.55	0.000972	0.00047
1212.03	0.0032449	0.000546
1212.52	0.0027786	0.000341
1213	0.001658	0.000641
1213.48	0.0002461	0.000452
1213.96	-0.0004446	0.000476
1214.45	-0.0000516	0.000605
1214.93	0.0008837	0.000559
1215.41	-0.0002876	0.000367
1215.89	0.0003478	0.000419
1216.37	-1.71E-06	0.000412
1216.86	0.0002525	0.000563
1217.34	0.0008361	0.0003
1217.82	0.001063	0.000669
1218.3	0.0009241	0.000514
1218.78	0.0004848	0.000528
1219.27	-0.0000176	0.000605
1219.75	-0.000053	0.000512
1220.23	0.0000247	0.000384
1220.71	-0.0013394	0.000382
1221.19	-0.0004945	0.000516
1221.68	-0.000625	0.000512
1222.16	-0.0000109	0.000639
1222.64	-0.0001345	0.000569
1223.12	0.0002715	0.000406
1223.6	0.0004505	0.000291
1224.09	0.0004976	0.000426
1224.57	0.0013543	0.00038
1225.05	0.0013438	0.000388
1225.53	-0.0002547	0.000477
1226.01	-0.0007502	0.000497
1226.5	0.0005068	0.000657
1226.98	0.0007606	0.000509

Ammonia

0.095 N Solution

AALNH3

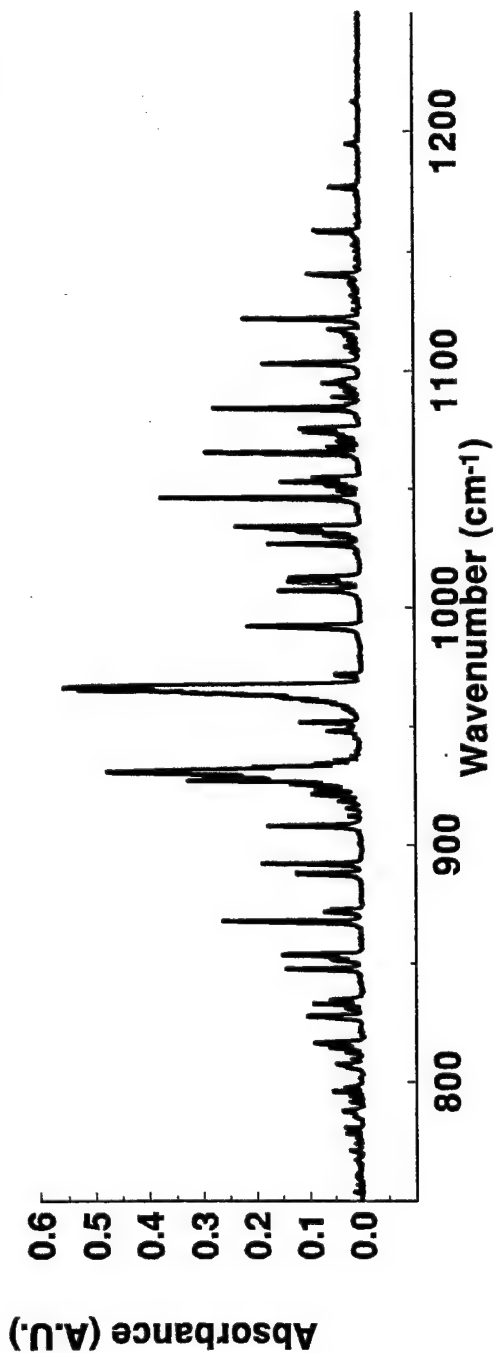
DALNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0005018	0.000497
1227.94	0.0000457	0.000593
1228.42	0.000084	0.000492
1228.91	0.0005656	0.000513
1229.39	-0.0000163	0.000356
1229.87	0.0007767	0.000554
1230.35	0.0011548	0.000694
1230.83	0.0004194	0.000492
1231.32	0.0005392	0.000492
1231.8	-0.000047	0.000565
1232.28	0.0012062	0.000488
1232.76	-0.0001042	0.000772
1233.25	0.0001269	0.000456
1233.73	-0.0000758	0.000601
1234.21	-0.0002427	0.000594
1234.69	-0.0003092	0.000482
1235.17	-0.000609	0.000695
1235.66	-0.0009986	0.000544
1236.14	0.0003186	0.000507
1236.62	-0.0003665	0.000531
1237.1	-0.0001673	0.000521
1237.58	-0.000313	0.000496
1238.07	-0.0002143	0.000602
1238.55	-0.0002491	0.000648
1239.03	0.0000162	0.000624
1239.51	-0.0002727	0.000562
1239.99	-0.0008588	0.000496
1240.48	-0.0011129	0.000775
1240.96	-0.0004383	0.000477
1241.44	-0.00041	0.000635
1241.92	-0.0007375	0.000515
1242.4	0.0002179	0.000648
1242.89	-0.0007812	0.000446
1243.37	-0.0002285	0.000447
1243.85	0.0006582	0.00042
1244.33	0.0002601	0.000431
1244.81	-0.0000154	0.000637
1245.3	-0.0000522	0.000669
1245.78	-0.0004327	0.000351
1246.26	-5.33E-06	0.000523
1246.74	-0.0013783	0.00057
1247.22	-0.0011911	0.000533
1247.71	0.0001945	0.000256
1248.19	-0.0008092	0.000685
1248.67	-0.000687	0.000554

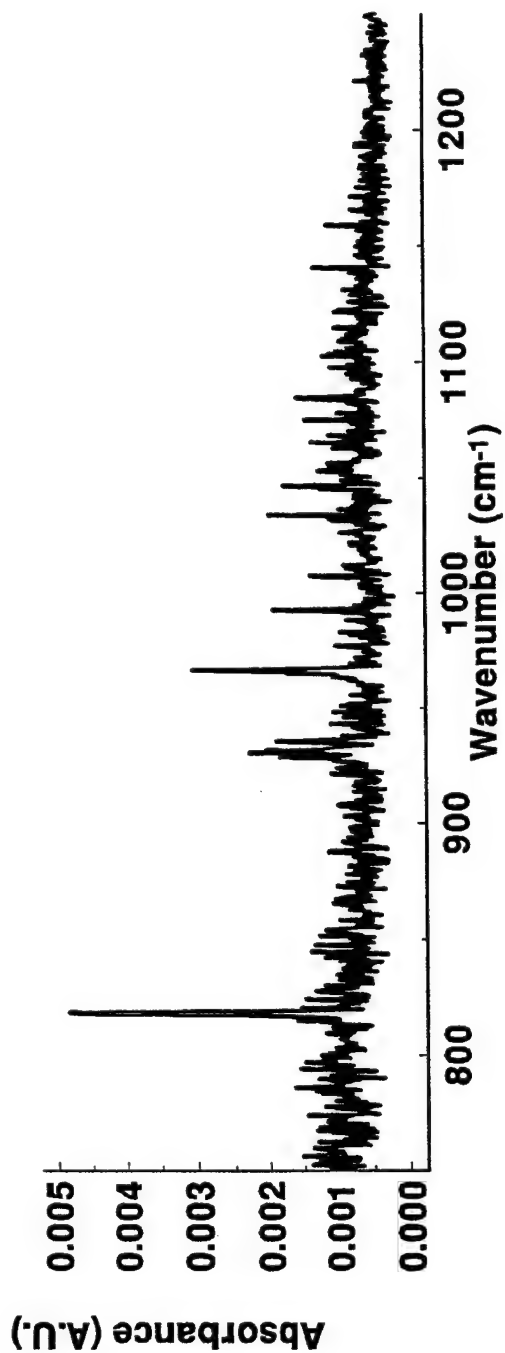
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0007969	0.00075
1249.63	-0.0008915	0.000729
1250.12	-0.0006105	0.00061

0.5 N Solution

ALNNH3
N=10



DLNNH3



Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0017031	0.000808
750.677	0.0035415	0.000901
751.159	0.0008728	0.00113
751.641	0.0012711	0.000667
752.123	0.0019964	0.00138
752.605	-0.0000463	0.001278
753.087	0.0060715	0.001279
753.57	0.0138628	0.001283
754.052	0.0004409	0.000732
754.534	0.0029637	0.001182
755.016	0.0024045	0.000726
755.498	0.0048213	0.000773
755.98	0.0004598	0.001508
756.462	0.0088266	0.000922
756.944	0.0018846	0.000936
757.426	0.0010935	0.001143
757.909	0.0010112	0.000953
758.391	0.0055675	0.001168
758.873	0.0097824	0.001112
759.355	0.0041207	0.00136
759.837	0.0039582	0.001085
760.319	0.0117502	0.001029
760.801	0.0100893	0.000579
761.283	0.0040699	0.000617
761.766	0.0090381	0.000819
762.248	0.0039097	0.001291
762.73	0.0042405	0.000684
763.212	0.0034775	0.000934
763.694	0.0045305	0.000644
764.176	0.0046284	0.000491
764.658	0.0066938	0.000837
765.14	0.0028133	0.000759
765.622	0.0064061	0.000874
766.105	0.0095052	0.00109
766.587	0.0086249	0.000476
767.069	0.0134398	0.001305
767.551	0.0073493	0.000762
768.033	0.0085362	0.000533
768.515	0.0026985	0.001268
768.997	0.0029938	0.000692
769.479	0.0004704	0.000835
769.961	0.0058508	0.000614
770.444	0.0099342	0.001104
770.926	0.0217751	0.00116
771.408	0.0045824	0.001153

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0030706	0.000925
772.372	0.003313	0.001067
772.854	0.003241	0.000889
773.336	0.0052181	0.000825
773.818	0.0123683	0.001436
774.301	0.0021782	0.000457
774.783	0.0036868	0.000608
775.265	0.0038378	0.000715
775.747	0.0045559	0.000678
776.229	0.0110247	0.000666
776.711	0.0058665	0.001038
777.193	0.0043362	0.000553
777.675	0.0089381	0.001187
778.157	0.0293886	0.00045
778.64	0.0053945	0.000765
779.122	0.0097863	0.000862
779.604	0.021373	0.00063
780.086	0.0244255	0.001041
780.568	0.0309339	0.000852
781.05	0.0026803	0.000743
781.532	0.0016871	0.000889
782.014	0.0006651	0.000933
782.497	0.0009002	0.000814
782.979	0.0019044	0.000824
783.461	0.0013154	0.001246
783.943	0.0013303	0.001025
784.425	0.0059361	0.00133
784.907	0.0106347	0.000715
785.389	0.0162882	0.000818
785.871	0.0127749	0.001624
786.353	0.013833	0.001312
786.836	0.0173089	0.00098
787.318	0.0259464	0.000956
787.8	0.0361018	0.000946
788.282	0.0267035	0.000847
788.764	0.0073909	0.001114
789.246	0.001183	0.000723
789.728	-0.0000969	0.001278
790.21	0.0032266	0.00038
790.692	0.0000942	0.000724
791.175	0.0071307	0.001117
791.657	0.0217653	0.000975
792.139	0.0002325	0.000808
792.621	0.0005091	0.000869
793.103	0.0001637	0.000497

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0083907	0.000973
794.067	0.0237663	0.001547
794.549	0.0026159	0.000996
795.032	0.0062259	0.001008
795.514	0.0177019	0.000808
795.996	0.0543852	0.001027
796.478	0.0054154	0.001202
796.96	0.0139846	0.001471
797.442	0.0325783	0.001056
797.924	0.0210091	0.001219
798.406	0.0090952	0.001204
798.888	0.0063247	0.000852
799.371	0.0016706	0.000932
799.853	0.0018822	0.001246
800.335	0.0020075	0.000907
800.817	0.0029553	0.001133
801.299	0.0029317	0.000877
801.781	0.0040516	0.000827
802.263	0.0016512	0.000653
802.745	0.0002876	0.000672
803.227	-0.0004661	0.001028
803.71	0.0007033	0.000762
804.192	0.0025773	0.000905
804.674	0.0032222	0.000872
805.156	0.0073524	0.000771
805.638	0.0186531	0.000857
806.12	0.0298955	0.000916
806.602	0.0261809	0.000891
807.084	0.0367358	0.000974
807.567	0.04794	0.000885
808.049	0.0094675	0.000947
808.531	0.0059825	0.000852
809.013	0.0093113	0.00084
809.495	0.0207267	0.001172
809.977	0.0073434	0.000791
810.459	0.0044103	0.001058
810.941	0.001586	0.001063
811.423	0.0058589	0.000626
811.906	0.0208709	0.000923
812.388	0.0303955	0.001084
812.87	0.0068409	0.000549
813.352	0.0123169	0.000931
813.834	0.0409408	0.001002
814.316	0.0615398	0.001049
814.798	0.0203153	0.00119

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0382168	0.001596
815.762	0.043937	0.000998
816.245	0.0892471	0.001051
816.727	0.0655771	0.001478
817.209	0.0069736	0.001899
817.691	0.003391	0.002447
818.173	-0.0019949	0.00435
818.655	-0.0033506	0.00484
819.137	0.0010702	0.002694
819.619	0.0023301	0.001194
820.102	0.0009532	0.00068
820.584	-0.0001901	0.001539
821.066	0.0044252	0.00101
821.548	0.0020892	0.001004
822.03	0.003563	0.000927
822.512	0.0048103	0.000724
822.994	0.0034246	0.000724
823.476	0.0026276	0.000626
823.959	0.0028336	0.001191
824.441	0.0019353	0.001467
824.923	0.0037436	0.000802
825.405	0.0050535	0.000595
825.887	0.0171062	0.000596
826.369	0.0455135	0.000656
826.851	0.0588234	0.000844
827.333	0.103342	0.001217
827.816	0.096815	0.001319
828.298	0.0065738	0.001212
828.78	0.0048738	0.000836
829.262	0.0050089	0.000736
829.744	0.0064581	0.001019
830.226	0.0174371	0.001182
830.708	0.0300698	0.000819
831.19	0.0081606	0.000541
831.672	0.0118107	0.000622
832.155	0.0422493	0.000545
832.637	0.090345	0.000983
833.119	0.0186016	0.000893
833.601	0.0350003	0.000552
834.083	0.0601584	0.000975
834.565	0.0524001	0.000671
835.047	0.0171604	0.001011
835.529	0.0088707	0.000809
836.011	0.0026676	0.000904
836.494	0.0035023	0.000472

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0012876	0.000927
837.458	0.0023531	0.000935
837.94	-0.0015624	0.000572
838.422	-0.0003687	0.000881
838.904	0.0019255	0.00066
839.386	0.0007774	0.000535
839.868	0.0011423	0.000864
840.351	0.0011638	0.000408
840.833	0.0018231	0.00098
841.315	0.0013	0.000592
841.797	0.0057059	0.00075
842.279	0.0059437	0.001189
842.761	0.0043066	0.000738
843.243	0.0045952	0.000874
843.725	0.0053756	0.000321
844.207	0.0037095	0.000766
844.69	0.0037671	0.001383
845.172	0.0053835	0.000635
845.654	0.007731	0.000641
846.136	0.0105707	0.000585
846.618	0.0313793	0.000664
847.1	0.0957821	0.000799
847.582	0.142919	0.00132
848.064	0.0249987	0.000694
848.546	0.0086085	0.000522
849.029	0.0075691	0.000603
849.511	0.0075767	0.00079
849.993	0.0097601	0.000603
850.475	0.0200572	0.000848
850.957	0.0530594	0.000507
851.439	0.0590851	0.001258
851.921	0.0281641	0.000678
852.403	0.0597708	0.000861
852.886	0.0718801	0.000909
853.368	0.15017	0.001071
853.85	0.135687	0.001171
854.332	0.0133881	0.00103
854.814	0.0069138	0.000876
855.296	0.0031874	0.000413
855.778	0.001908	0.000742
856.26	0.0001897	0.000568
856.742	0.0022304	0.000691
857.225	0.0014938	0.000723
857.707	0.0023809	0.000521
858.189	0.0013696	0.000969

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0016825	0.000524
859.153	0.0023235	0.000541
859.635	0.0016239	0.00065
860.117	0.0006418	0.000454
860.599	0.0012117	0.000414
861.081	0.0038293	0.000627
861.564	0.0019798	0.000593
862.046	0.0009165	0.000573
862.528	0.0025621	0.000835
863.01	0.002431	0.000701
863.492	0.0034034	0.000669
863.974	0.0009675	0.000677
864.456	0.0028088	0.000762
864.938	0.0036217	0.000911
865.421	0.0095519	0.001065
865.903	0.0099988	0.000902
866.385	0.0179742	0.000494
866.867	0.0425514	0.000576
867.349	0.149607	0.00103
867.831	0.262168	0.000918
868.313	0.02726	0.000899
868.795	0.0105738	0.000554
869.277	0.0057389	0.000687
869.76	0.005663	0.000699
870.242	0.0072657	0.000735
870.724	0.0106734	0.000599
871.206	0.0302286	0.000673
871.688	0.0694567	0.000358
872.17	0.0498291	0.000919
872.652	0.057684	0.001001
873.134	0.0061733	0.0006
873.617	0.0024611	0.000521
874.099	0.0007873	0.000509
874.581	0.0002111	0.000863
875.063	-0.0009864	0.000544
875.545	0.0004774	0.00063
876.027	0.0019452	0.000666
876.509	0.0012969	0.000581
876.991	0.0019189	0.000465
877.474	0.0014447	0.000586
877.956	0.0011916	0.00087
878.438	0.0024455	0.000723
878.92	0.000594	0.000476
879.402	0.0008511	0.000769
879.884	0.0007195	0.000412

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0004583	0.000689
880.848	0.0004944	0.000712
881.33	0.0013188	0.000843
881.813	0.0014011	0.00082
882.295	0.0021714	0.000485
882.777	0.0026131	0.000319
883.259	0.0015327	0.000702
883.741	0.0015937	0.000464
884.223	0.0013776	0.000312
884.705	0.0037275	0.000394
885.187	0.0040332	0.000724
885.669	0.0066661	0.00078
886.152	0.0113611	0.000502
886.634	0.0152952	0.000746
887.116	0.041841	0.000833
887.598	0.122193	0.001121
888.08	0.122782	0.001096
888.562	0.0147576	0.000706
889.044	0.0063306	0.000321
889.526	0.0057628	0.000433
890.009	0.0076239	0.000445
890.491	0.012385	0.000766
890.973	0.0220126	0.000759
891.455	0.0742407	0.000819
891.937	0.186919	0.000921
892.419	0.0357769	0.000714
892.901	0.0076399	0.000597
893.383	0.0043874	0.000607
893.865	0.0029723	0.000854
894.348	0.0017975	0.000526
894.83	0.0024012	0.000732
895.312	0.001908	0.000681
895.794	0.0011431	0.000549
896.276	0.0008589	0.000784
896.758	0.0005634	0.000804
897.24	0.0008853	0.00055
897.722	-0.0011176	0.000663
898.204	0.0003485	0.000822
898.687	0.0006422	0.00074
899.169	0.0014287	0.000458
899.651	0.0003183	0.000577
900.133	0.0033054	0.000609
900.615	0.0043775	0.000447
901.097	0.0013274	0.000613
901.579	0.0004026	0.000735

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0006081	0.000565
902.544	0.00311	0.000721
903.026	0.0027126	0.000896
903.508	0.0019459	0.000739
903.99	0.0027594	0.000583
904.472	0.0055962	0.000615
904.954	0.0063525	0.000545
905.436	0.0052267	0.000369
905.918	0.0097367	0.000444
906.4	0.0127433	0.000803
906.883	0.0214651	0.000501
907.365	0.0551437	0.000915
907.847	0.176443	0.000986
908.329	0.119205	0.000934
908.811	0.0236989	0.000629
909.293	0.011752	0.000402
909.775	0.0069173	0.000731
910.257	0.0048485	0.000396
910.739	0.0045823	0.000442
911.222	0.0030986	0.000629
911.704	0.0084185	0.000409
912.186	0.0223882	0.000488
912.668	0.0053814	0.000467
913.15	0.0053352	0.000567
913.632	0.0042577	0.00076
914.114	0.0040617	0.00059
914.596	0.0065528	0.000343
915.079	0.0133112	0.000568
915.561	0.0272724	0.000685
916.043	0.0106062	0.000761
916.525	0.0099657	0.000617
917.007	0.0063376	0.000746
917.489	0.0102848	0.000448
917.971	0.0185619	0.000738
918.453	0.0429896	0.000422
918.935	0.013171	0.000595
919.418	0.0134884	0.000457
919.9	0.0124506	0.000605
920.382	0.0278013	0.000519
920.864	0.0733884	0.000819
921.346	0.092232	0.001083
921.828	0.0351136	0.000386
922.31	0.0218002	0.000476
922.792	0.0382122	0.000795
923.275	0.0877455	0.000921

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0802588	0.001002
924.239	0.0398927	0.000885
924.721	0.04481	0.0006
925.203	0.0943136	0.000595
925.685	0.133211	0.000751
926.167	0.0758072	0.000693
926.649	0.132053	0.000915
927.132	0.326942	0.001051
927.614	0.174617	0.000978
928.096	0.185343	0.001147
928.578	0.29926	0.001835
929.06	0.262411	0.000891
929.542	0.227289	0.000822
930.024	0.354771	0.001281
930.506	0.461166	0.002273
930.988	0.475503	0.001302
931.471	0.410995	0.002033
931.953	0.301495	0.001227
932.435	0.167514	0.001136
932.917	0.204236	0.000853
933.399	0.0585548	0.000812
933.881	0.0834046	0.000524
934.363	0.0865714	0.000832
934.845	0.027357	0.001225
935.328	0.0354781	0.00188
935.81	0.0478379	0.001625
936.292	0.0097425	0.000947
936.774	0.012974	0.000725
937.256	0.0184741	0.000468
937.738	0.0121054	0.000931
938.22	0.00537	0.000623
938.702	0.0093576	0.000299
939.184	0.0099057	0.000488
939.667	0.0060242	0.000395
940.149	0.00568	0.00051
940.631	0.0047292	0.000716
941.113	0.0035433	0.000479
941.595	0.0039076	0.000788
942.077	0.0050175	0.000691
942.559	0.0049087	0.000364
943.041	0.0029821	0.001087
943.523	0.0039629	0.000586
944.006	0.0055638	0.000391
944.488	0.0060107	0.000418
944.97	0.0108775	0.000513

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0101093	0.000479
945.934	0.011218	0.000912
946.416	0.0134815	0.000353
946.898	0.0115527	0.000476
947.38	0.0260442	0.000443
947.863	0.0631859	0.000583
948.345	0.060571	0.001046
948.827	0.0176818	0.000394
949.309	0.0237679	0.000666
949.791	0.0155121	0.000713
950.273	0.0153149	0.000546
950.755	0.019504	0.000943
951.237	0.0546549	0.00054
951.719	0.114615	0.000837
952.202	0.0153981	0.000565
952.684	0.0099443	0.000456
953.166	0.0089589	0.000279
953.648	0.008038	0.00056
954.13	0.0104212	0.000571
954.612	0.0094526	0.000599
955.094	0.0102914	0.000456
955.576	0.0131345	0.0008
956.058	0.0212904	0.000574
956.541	0.0154881	0.000635
957.023	0.0196045	0.000379
957.505	0.0310875	0.000531
957.987	0.0332496	0.000544
958.469	0.0255303	0.00062
958.951	0.037917	0.00048
959.433	0.0549592	0.000376
959.915	0.0488667	0.000698
960.398	0.0641964	0.000622
960.88	0.109939	0.000693
961.362	0.0832913	0.000713
961.844	0.141615	0.000724
962.326	0.153154	0.000838
962.808	0.141319	0.00075
963.29	0.2351	0.000924
963.772	0.219563	0.001059
964.254	0.337354	0.000994
964.737	0.33851	0.00106
965.219	0.527747	0.001731
965.701	0.39156	0.001469
966.183	0.553403	0.002489
966.665	0.540417	0.003057

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.491276	0.001976
967.629	0.278133	0.000947
968.111	0.0693843	0.00065
968.594	0.0156463	0.000409
969.076	0.009204	0.000571
969.558	0.0064144	0.000813
970.04	0.0073327	0.000459
970.522	0.0076683	0.00071
971.004	0.0156159	0.000694
971.486	0.0456269	0.000571
971.968	0.0463775	0.000738
972.45	0.0058545	0.000576
972.933	0.0010611	0.00046
973.415	-0.0002264	0.000408
973.897	-0.0006994	0.000439
974.379	-0.000957	0.00062
974.861	-0.0013541	0.000478
975.343	-0.00039	0.000536
975.825	-0.0011647	0.000638
976.307	-0.0012289	0.000558
976.79	0.0009319	0.000822
977.272	-0.0011913	0.001009
977.754	0.001373	0.00077
978.236	0.0000783	0.000294
978.718	0.0004542	0.000367
979.2	0.0023094	0.00052
979.682	-0.0007831	0.000501
980.164	0.000454	0.000406
980.646	0.0011362	0.000674
981.129	0.0011356	0.000336
981.611	0.0003537	0.000596
982.093	0.0005948	0.000813
982.575	-0.0001485	0.000472
983.057	-0.0005194	0.000947
983.539	0.0016944	0.000347
984.021	0.000499	0.000578
984.503	0.0019382	0.000444
984.986	0.0013525	0.000364
985.468	0.0023591	0.000464
985.95	0.0024326	0.000496
986.432	0.0044269	0.000564
986.914	0.0039945	0.000485
987.396	0.0062663	0.0007
987.878	0.00725	0.000438
988.36	0.0057572	0.000853

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.0066884	0.000483
989.325	0.0071008	0.000535
989.807	0.009566	0.000376
990.289	0.0149633	0.000269
990.771	0.0279129	0.000625
991.253	0.0669527	0.000529
991.735	0.135013	0.000919
992.217	0.213116	0.000965
992.699	0.202893	0.001922
993.181	0.0190711	0.000695
993.664	0.0067047	0.000486
994.146	0.0015139	0.000476
994.628	0.0003225	0.000752
995.11	0.0014723	0.000274
995.592	0.0007519	0.000392
996.074	0.0008792	0.000618
996.556	0.0029527	0.000344
997.038	0.0024019	0.000386
997.521	0.0001206	0.000591
998.003	0.000631	0.000359
998.485	0.0011173	0.00021
998.967	0.0030265	0.000375
999.449	0.0016377	0.000359
999.931	0.0026368	0.000564
1000.41	0.0025596	0.000441
1000.89	0.0013749	0.00039
1001.37	0.0035154	0.00055
1001.86	0.004305	0.000438
1002.34	0.0033297	0.000668
1002.82	0.0019842	0.000368
1003.3	0.0035467	0.000582
1003.78	0.005716	0.000675
1004.27	0.0081755	0.000536
1004.75	0.0071296	0.000635
1005.23	0.0123395	0.000591
1005.71	0.0171745	0.000397
1006.19	0.0223453	0.000619
1006.68	0.0577577	0.000651
1007.16	0.153816	0.001174
1007.64	0.131899	0.001374
1008.12	0.0184366	0.000273
1008.6	0.0095376	0.000712
1009.09	0.009815	0.000401
1009.57	0.0095547	0.000404
1010.05	0.0211956	0.000579

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.057892	0.00085
1011.02	0.136077	0.00063
1011.5	0.040641	0.000818
1011.98	0.071013	0.000886
1012.46	0.133754	0.00061
1012.94	0.116247	0.000532
1013.43	0.0234163	0.000446
1013.91	0.0064411	0.000541
1014.39	0.0030797	0.000461
1014.87	0.0015902	0.000391
1015.35	0.0008823	0.000512
1015.84	0.0012437	0.000565
1016.32	0.0012175	0.000536
1016.8	0.0005617	0.000636
1017.28	0.0009567	0.000603
1017.77	0.0005429	0.000592
1018.25	0.0006296	0.000555
1018.73	0.0011424	0.000668
1019.21	0.0020217	0.000679
1019.69	0.0008214	0.000458
1020.18	0.0018399	0.000585
1020.66	0.0024181	0.000493
1021.14	0.0047731	0.00079
1021.62	0.0047993	0.000583
1022.1	0.0056645	0.0008
1022.59	0.0086405	0.000553
1023.07	0.0071221	0.000641
1023.55	0.0040924	0.000499
1024.03	0.0046951	0.000517
1024.52	0.0072905	0.000475
1025	0.0093158	0.000709
1025.48	0.01083	0.00069
1025.96	0.0272119	0.000646
1026.44	0.0779584	0.000935
1026.93	0.173551	0.000767
1027.41	0.0165066	0.000743
1027.89	0.0078678	0.000404
1028.37	0.0078752	0.000577
1028.85	0.0091859	0.000582
1029.34	0.0161109	0.000331
1029.82	0.034658	0.000713
1030.3	0.0684247	0.000469
1030.78	0.0211842	0.000739
1031.26	0.0471812	0.000572
1031.75	0.113649	0.001059

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.119774	0.001093
1032.71	0.0728418	0.000532
1033.19	0.169467	0.001122
1033.67	0.163196	0.000875
1034.16	0.23469	0.001987
1034.64	0.0179997	0.000399
1035.12	0.0057331	0.000772
1035.6	0.0035266	0.000586
1036.08	0.0006694	0.000805
1036.57	0.0013882	0.000958
1037.05	0.0018245	0.00056
1037.53	0.0014552	0.000775
1038.01	0.0024613	0.00059
1038.49	0.0021783	0.00051
1038.98	0.0031674	0.000718
1039.46	0.0039853	0.000498
1039.94	0.0040337	0.000259
1040.42	0.0068135	0.000561
1040.9	0.0069381	0.000702
1041.39	0.003735	0.000747
1041.87	0.0032273	0.000726
1042.35	0.0032324	0.0004
1042.83	0.0076002	0.00075
1043.32	0.0059189	0.000677
1043.8	0.0108574	0.000548
1044.28	0.0157079	0.000675
1044.76	0.0244563	0.000486
1045.24	0.0553384	0.001223
1045.73	0.15567	0.00121
1046.21	0.374755	0.001342
1046.69	0.075007	0.001766
1047.17	0.0192501	0.000407
1047.65	0.0093834	0.000472
1048.14	0.0099631	0.000583
1048.62	0.0196596	0.000798
1049.1	0.0421364	0.000923
1049.58	0.0157142	0.000704
1050.06	0.0080418	0.00083
1050.55	0.0181797	0.000525
1051.03	0.0413634	0.000757
1051.51	0.0652983	0.000932
1051.99	0.0263863	0.000851
1052.47	0.0628359	0.00079
1052.96	0.149528	0.001248
1053.44	0.0413625	0.000774

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0723389	0.000833
1054.4	0.0782199	0.000944
1054.88	0.0882263	0.001101
1055.37	0.0086414	0.000789
1055.85	0.00519	0.00077
1056.33	0.0007708	0.001109
1056.81	0.0000607	0.000698
1057.29	0.0022213	0.000675
1057.78	0.0030874	0.000749
1058.26	0.0022146	0.000703
1058.74	0.0043317	0.000692
1059.22	0.0014197	0.000491
1059.71	0.002823	0.00063
1060.19	0.0043395	0.000391
1060.67	0.0036695	0.000653
1061.15	0.0037995	0.000661
1061.63	0.0050891	0.000416
1062.12	0.0051031	0.000716
1062.6	0.0071857	0.000502
1063.08	0.0111012	0.001038
1063.56	0.0135555	0.00066
1064.04	0.0173737	0.000618
1064.53	0.0505764	0.00072
1065.01	0.142947	0.000998
1065.49	0.292412	0.001353
1065.97	0.0325695	0.000603
1066.45	0.0112765	0.000443
1066.94	0.012032	0.000551
1067.42	0.0304948	0.000884
1067.9	0.0600504	0.000756
1068.38	0.0081039	0.001105
1068.86	0.0063515	0.000472
1069.35	0.0090893	0.000704
1069.83	0.018694	0.000323
1070.31	0.0416625	0.000818
1070.79	0.0203155	0.000562
1071.27	0.0118007	0.000689
1071.76	0.0212534	0.000643
1072.24	0.0386391	0.000479
1072.72	0.0424281	0.000522
1073.2	0.030864	0.00068
1073.68	0.0665968	0.000782
1074.17	0.105173	0.000764
1074.65	0.0460912	0.000477
1075.13	0.106985	0.001449

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.113322	0.000784
1076.09	0.0777235	0.000855
1076.58	0.0073097	0.000416
1077.06	0.0023739	0.000669
1077.54	0.0014153	0.000524
1078.02	0.0014879	0.000979
1078.51	0.0028812	0.000482
1078.99	0.004066	0.000535
1079.47	0.0039689	0.000646
1079.95	0.0027407	0.00066
1080.43	0.0065124	0.000533
1080.92	0.0056324	0.0006
1081.4	0.0054519	0.000668
1081.88	0.0087862	0.00073
1082.36	0.0137555	0.000832
1082.84	0.018314	0.000416
1083.33	0.0370727	0.000567
1083.81	0.110157	0.001079
1084.29	0.276254	0.001241
1084.77	0.133875	0.001573
1085.25	0.0255503	0.000955
1085.74	0.0204179	0.000675
1086.22	0.0254022	0.000598
1086.7	0.006903	0.000621
1087.18	0.004708	0.00071
1087.66	0.0037745	0.000704
1088.15	0.0075125	0.000662
1088.63	0.0224015	0.000494
1089.11	0.0505743	0.000463
1089.59	0.0132581	0.000511
1090.07	0.0043194	0.000465
1090.56	0.0065677	0.000414
1091.04	0.0125827	0.000613
1091.52	0.0273981	0.000631
1092	0.0135523	0.000463
1092.48	0.0089811	0.000581
1092.97	0.017799	0.000776
1093.45	0.0353334	0.00072
1093.93	0.0199926	0.00049
1094.41	0.0318189	0.000373
1094.9	0.0700606	0.000844
1095.38	0.0286884	0.000449
1095.86	0.0444393	0.000733
1096.34	0.0311119	0.000792
1096.82	0.0193395	0.000702

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.004749	0.000533
1097.79	0.0041313	0.001073
1098.27	0.0029014	0.00059
1098.75	0.002262	0.000827
1099.23	0.0022522	0.000468
1099.72	0.004858	0.000672
1100.2	0.0030853	0.000538
1100.68	0.0066577	0.000708
1101.16	0.0097128	0.000571
1101.64	0.0122788	0.00052
1102.13	0.0242097	0.00065
1102.61	0.0726695	0.001183
1103.09	0.182502	0.001041
1103.57	0.136232	0.001095
1104.05	0.0297089	0.000634
1104.54	0.0094921	0.000997
1105.02	0.0060338	0.00043
1105.5	0.0046702	0.00069
1105.98	0.0034308	0.000837
1106.46	0.0031224	0.000647
1106.95	0.0056091	0.000589
1107.43	0.0102889	0.000704
1107.91	0.0152749	0.000649
1108.39	0.0036496	0.000636
1108.87	0.0018428	0.000951
1109.36	0.0040022	0.000851
1109.84	0.0106491	0.000907
1110.32	0.0259275	0.000711
1110.8	0.0220205	0.000683
1111.28	0.0056088	0.000652
1111.77	0.0055106	0.000839
1112.25	0.0100891	0.000574
1112.73	0.019569	0.000778
1113.21	0.0070248	0.000596
1113.7	0.006812	0.000555
1114.18	0.0112447	0.000642
1114.66	0.0262193	0.001014
1115.14	0.0119531	0.000822
1115.62	0.0262615	0.00058
1116.11	0.033127	0.000666
1116.59	0.0269706	0.000422
1117.07	0.0387883	0.000438
1117.55	0.0577628	0.000628
1118.03	0.0028512	0.000436
1118.52	0.0028318	0.000666

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.003701	0.00058
1119.48	0.0047574	0.000428
1119.96	0.0073323	0.000701
1120.44	0.013348	0.000407
1120.93	0.0302443	0.000359
1121.41	0.0880332	0.001006
1121.89	0.219598	0.000859
1122.37	0.0524229	0.000949
1122.85	0.0131414	0.000656
1123.34	0.0048283	0.000657
1123.82	0.0029168	0.000272
1124.3	0.004152	0.000483
1124.78	0.0029194	0.000304
1125.26	0.0047958	0.000546
1125.75	0.0101362	0.000803
1126.23	0.0023603	0.000666
1126.71	-0.0006211	0.000574
1127.19	0.0015009	0.000441
1127.67	0.0008126	0.000341
1128.16	0.0021789	0.000396
1128.64	0.0041604	0.000777
1129.12	0.0092771	0.000657
1129.6	0.0037465	0.000682
1130.09	0.0008608	0.000492
1130.57	0.0033014	0.000603
1131.05	0.007546	0.000881
1131.53	0.014562	0.000535
1132.01	0.0108864	0.000607
1132.5	0.0048698	0.000698
1132.98	0.0030551	0.000679
1133.46	0.0056526	0.000549
1133.94	0.0114745	0.000621
1134.42	0.002819	0.000542
1134.91	0.0053888	0.000486
1135.39	0.0137027	0.000607
1135.87	0.0077338	0.000687
1136.35	0.0155062	0.000529
1136.83	0.0180442	0.00042
1137.32	0.0172599	0.000549
1137.8	0.0149893	0.000592
1138.28	0.0067113	0.000793
1138.76	0.0086222	0.000457
1139.24	0.0163943	0.00063
1139.73	0.0346913	0.000791
1140.21	0.0873813	0.000779

Ammonia

0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.0971347	0.001315
1141.17	0.0112299	0.000254
1141.65	0.004999	0.000464
1142.14	0.0011425	0.000412
1142.62	-0.0007877	0.000437
1143.1	0.0037562	0.000522
1143.58	0.0064496	0.000523
1144.06	0.0051057	0.000499
1144.55	0.0010348	0.000344
1145.03	-0.0009583	0.000665
1145.51	0.0002318	0.000546
1145.99	-0.0008972	0.000702
1146.48	0.0011767	0.000524
1146.96	0.0055528	0.000523
1147.44	0.0055259	0.0004
1147.92	0.0006727	0.000635
1148.4	0.0016842	0.000352
1148.89	0.0007963	0.000349
1149.37	0.0011336	0.000327
1149.85	0.0026836	0.000694
1150.33	0.0071516	0.000456
1150.81	0.0022201	0.000478
1151.3	0.0004029	0.000555
1151.78	0.0023232	0.000663
1152.26	0.006711	0.000399
1152.74	0.0120652	0.000348
1153.22	0.002402	0.000607
1153.71	0.0020382	0.000427
1154.19	0.0039929	0.000472
1154.67	0.0067328	0.000577
1155.15	0.0018214	0.000528
1155.63	0.0030518	0.000392
1156.12	0.0099357	0.000343
1156.6	0.0075901	0.000676
1157.08	0.0128141	0.000362
1157.56	0.0109318	0.000463
1158.04	0.0349928	0.000419
1158.53	0.0789875	0.000744
1159.01	0.0844902	0.001121
1159.49	0.0061495	0.000695
1159.97	0.0014936	0.000262
1160.45	0.0005966	0.000624
1160.94	0.0010076	0.000344
1161.42	0.0034294	0.000414
1161.9	0.0004611	0.000463

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.0006368	0.000434
1162.86	-0.0009761	0.000457
1163.35	0.0011576	0.000413
1163.83	-0.0005336	0.000546
1164.31	0.0017398	0.000336
1164.79	0.0023071	0.000416
1165.28	0.005087	0.000655
1165.76	0.001698	0.000765
1166.24	0.0005131	0.000291
1166.72	0.0007505	0.000382
1167.2	0.0006204	0.000569
1167.69	0.0002378	0.000419
1168.17	0.0015944	0.000495
1168.65	0.0021655	0.000335
1169.13	0.0003287	0.000567
1169.61	0.0000561	0.000252
1170.1	0.0003172	0.000517
1170.58	0.0012992	0.000424
1171.06	0.0019759	0.000474
1171.54	0.0019414	0.000762
1172.02	0.0007027	0.000417
1172.51	0.0010714	0.00052
1172.99	0.0036499	0.000299
1173.47	0.0059223	0.000357
1173.95	0.0017575	0.00039
1174.43	0.0038803	0.000377
1174.92	0.00299	0.000457
1175.4	0.0035446	0.000677
1175.88	0.007965	0.000225
1176.36	0.0249294	0.000494
1176.84	0.0545006	0.000514
1177.33	0.0158984	0.000513
1177.81	0.0041814	0.000355
1178.29	0.0040542	0.000628
1178.77	0.0037598	0.000434
1179.25	0.0014725	0.000254
1179.74	0.0015678	0.000567
1180.22	0.0007963	0.000367
1180.7	0.0004471	0.000526
1181.18	-0.0009146	0.000595
1181.67	0.0005819	0.000424
1182.15	0.0001723	0.000359
1182.63	0.0004963	0.000283
1183.11	0.001146	0.000399
1183.59	-0.000176	0.000635

Ammonia

0.5 N Solution

ALNNH3
DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	-0.0010859	0.000391
1184.56	0.0002522	0.000304
1185.04	0.0004265	0.000624
1185.52	0.0006809	0.000494
1186	0.000874	0.000489
1186.49	0.0026428	0.000495
1186.97	0.0022778	0.000434
1187.45	-0.0009151	0.000554
1187.93	0.0006214	0.000575
1188.41	0.0001495	0.000349
1188.9	0.0001375	0.000615
1189.38	0.0007928	0.000343
1189.86	0.0008954	0.000518
1190.34	0.0014032	0.000295
1190.82	-0.0003171	0.000411
1191.31	-0.0004604	0.000427
1191.79	0.0016206	0.000439
1192.27	0.0018637	0.000316
1192.75	0.0009778	0.000482
1193.23	0.0019085	0.000703
1193.72	0.0049029	0.000298
1194.2	0.0102481	0.000695
1194.68	0.0230746	0.000547
1195.16	0.0152232	0.000468
1195.64	0.003427	0.000391
1196.13	0.0003609	0.000244
1196.61	0.0023143	0.000332
1197.09	-0.0000149	0.000567
1197.57	0.003077	0.00022
1198.06	0.0020394	0.00039
1198.54	0.0020348	0.000332
1199.02	-2.10E-06	0.000589
1199.5	0.0007535	0.000506
1199.98	-0.0003335	0.000302
1200.47	0.0005624	0.000422
1200.95	0.00006	0.000543
1201.43	-0.0009001	0.000433
1201.91	0.0002987	0.000319
1202.39	0.0004045	0.000513
1202.88	-0.0008079	0.000451
1203.36	0.0002053	0.000429
1203.84	0.0004652	0.000465
1204.32	0.0001894	0.0004
1204.8	0.0005969	0.000309
1205.29	0.0010863	0.000316

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0007503	0.000549
1206.25	0.0006092	0.00049
1206.73	0.0001609	0.00055
1207.21	0.0004083	0.000483
1207.7	0.0002701	0.000472
1208.18	0.0005342	0.000547
1208.66	-0.0010861	0.000511
1209.14	-0.0002256	0.000241
1209.62	-0.0005842	0.000453
1210.11	0.0009044	0.000375
1210.59	0.0012316	0.000299
1211.07	0.0002923	0.000414
1211.55	0.0011477	0.0004
1212.03	0.006344	0.000209
1212.52	0.0108471	0.000456
1213	0.0033765	0.000337
1213.48	0.002725	0.000338
1213.96	0.0012339	0.000385
1214.45	-0.0004261	0.000476
1214.93	-0.0000869	0.000376
1215.41	0.0010891	0.000408
1215.89	-2.29E-06	0.000371
1216.37	-0.000327	0.000355
1216.86	0.0015695	0.00047
1217.34	0.0015034	0.000309
1217.82	0.0006845	0.00048
1218.3	0.0010292	0.000396
1218.78	0.000735	0.000242
1219.27	0.0002988	0.000497
1219.75	-0.0000149	0.00037
1220.23	0.0003045	0.000362
1220.71	0.0008046	0.000398
1221.19	0.0013183	0.000697
1221.68	0.0011768	0.000532
1222.16	-0.0001057	0.000367
1222.64	0.0000946	0.000485
1223.12	0.0005058	0.000317
1223.6	-0.0003499	0.000362
1224.09	-0.0004692	0.00037
1224.57	0.0019936	0.000465
1225.05	0.0018146	0.000381
1225.53	-0.000049	0.000387
1226.01	0.0009664	0.000272
1226.5	-0.0000641	0.000481
1226.98	-0.0000193	0.000484

Ammonia

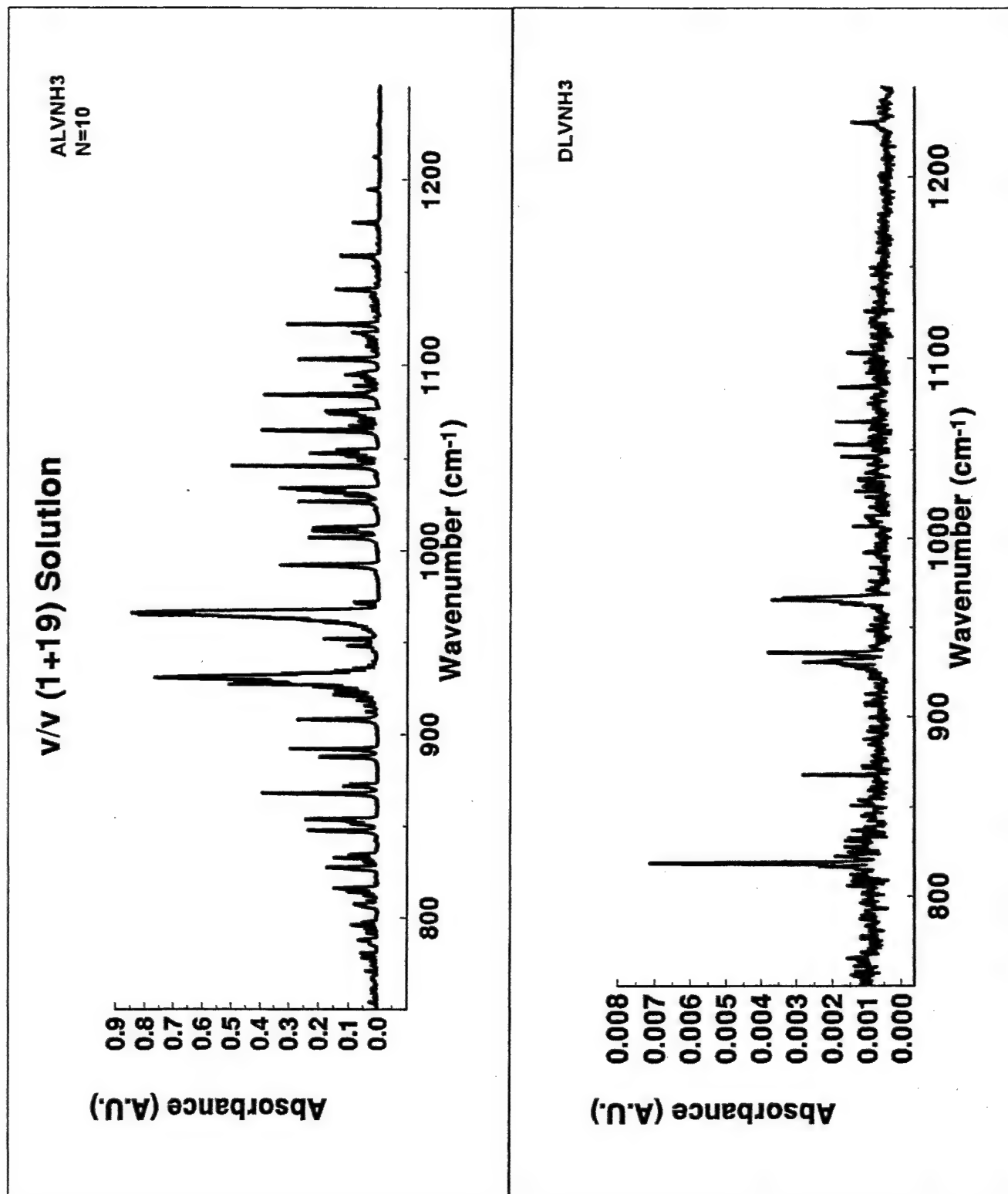
0.5 N Solution

ALNNH3

DLNNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0004777	0.00051
1227.94	0.0003099	0.000287
1228.42	0.0000647	0.000336
1228.91	0.0009611	0.000317
1229.39	0.0020638	0.000497
1229.87	0.0031013	0.000484
1230.35	0.0032299	0.000415
1230.83	0.0005916	0.000347
1231.32	0.0000476	0.000529
1231.8	-0.0005292	0.000285
1232.28	0.0002525	0.00059
1232.76	0.0004022	0.000361
1233.25	0.0010412	0.000331
1233.73	0.0009761	0.000405
1234.21	0.0009043	0.000545
1234.69	0.0006126	0.000442
1235.17	-0.0001456	0.000303
1235.66	4.02E-06	0.000297
1236.14	7.95E-06	0.000413
1236.62	-0.0001658	0.000281
1237.1	0.0002482	0.000315
1237.58	0.0004164	0.000351
1238.07	0.0002047	0.000248
1238.55	0.0001789	0.000461
1239.03	0.0000796	0.000447
1239.51	0.000077	0.000475
1239.99	0.0007945	0.000428
1240.48	-0.0001268	0.00045
1240.96	0.0003953	0.000296
1241.44	0.0002428	0.000282
1241.92	0.0008248	0.000509
1242.4	0.0007824	0.000301
1242.89	0.0004094	0.000304
1243.37	0.0003497	0.000361
1243.85	0.0008812	0.00035
1244.33	0.0008063	0.000443
1244.81	0.000417	0.000475
1245.3	0.0007442	0.00027
1245.78	-0.0006328	0.000339
1246.26	0.0001318	0.000379
1246.74	0.0006955	0.000396
1247.22	0.0018368	0.000361
1247.71	0.0021699	0.000452
1248.19	0.0008673	0.000486
1248.67	0.0003134	0.000491

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	-0.0006953	0.000546
1249.63	0.0007479	0.000482
1250.12	-0.0011331	0.000389



Ammonia

v/v (1 + 19) Solution

ALVNH3
DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0031036	0.001071
750.677	0.0022348	0.00117
751.159	0.001257	0.000884
751.641	0.004113	0.001006
752.123	0.0042545	0.001146
752.605	0.001611	0.00086
753.087	0.011459	0.001167
753.57	0.0256473	0.001043
754.052	0.0045155	0.000936
754.534	0.0016183	0.000986
755.016	0.0039342	0.001359
755.498	0.0086309	0.000831
755.98	0.0029913	0.001443
756.462	0.0108899	0.001235
756.944	0.0031222	0.000654
757.426	0.0026792	0.00123
757.909	0.0020422	0.00132
758.391	0.0088361	0.00106
758.873	0.0172887	0.000838
759.355	0.0056341	0.000801
759.837	0.0074236	0.000771
760.319	0.0170893	0.000715
760.801	0.0195824	0.001362
761.283	0.0047884	0.000921
761.766	0.0145532	0.000923
762.248	0.0060217	0.001201
762.73	0.0085406	0.000944
763.212	0.0025211	0.001257
763.694	0.006883	0.000981
764.176	0.007618	0.000975
764.658	0.0090724	0.000973
765.14	0.0071734	0.001549
765.622	0.0132767	0.001413
766.105	0.017661	0.000996
766.587	0.0143857	0.001008
767.069	0.0195585	0.000852
767.551	0.0177835	0.000686
768.033	0.0138738	0.000772
768.515	0.0029183	0.001167
768.997	0.0021117	0.000956
769.479	0.0041889	0.000808
769.961	0.0051721	0.000741
770.444	0.0177594	0.00095
770.926	0.0374616	0.000621
771.408	0.0035898	0.000855

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0046562	0.000864
772.372	0.007144	0.000587
772.854	0.0038983	0.000892
773.336	0.0087002	0.00065
773.818	0.0204559	0.0009
774.301	0.0084711	0.000839
774.783	0.0070828	0.000578
775.265	0.00749	0.000833
775.747	0.0087536	0.000689
776.229	0.0221763	0.001176
776.711	0.007272	0.00073
777.193	0.0077563	0.000798
777.675	0.0168198	0.001168
778.157	0.0514595	0.000708
778.64	0.0076441	0.000731
779.122	0.0157582	0.00086
779.604	0.037097	0.000849
780.086	0.0415213	0.000925
780.568	0.0540643	0.000526
781.05	0.0051218	0.000762
781.532	0.0049119	0.000912
782.014	0.0020491	0.00088
782.497	0.00381	0.000768
782.979	0.0029628	0.000809
783.461	0.0025637	0.00102
783.943	0.004126	0.001002
784.425	0.0065305	0.000722
784.907	0.0182466	0.000767
785.389	0.0252986	0.000659
785.871	0.0241387	0.000779
786.353	0.0240888	0.000881
786.836	0.0270571	0.001008
787.318	0.0441559	0.001192
787.8	0.0633911	0.000762
788.282	0.0477386	0.000739
788.764	0.0118113	0.000994
789.246	0.0033557	0.001154
789.728	0.0022455	0.000836
790.21	0.0029661	0.000789
790.692	0.0045192	0.001034
791.175	0.0140764	0.000964
791.657	0.0350783	0.00096
792.139	0.003889	0.001033
792.621	0.0029666	0.000592
793.103	0.0050165	0.000417

Ammonia

v/v (1 + 19) Solution

ALVNH3
DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	0.0143714	0.000662
794.067	0.043134	0.000839
794.549	0.0092852	0.000824
795.032	0.0098267	0.001011
795.514	0.031043	0.000787
795.996	0.0875868	0.001059
796.478	0.0125248	0.001172
796.96	0.0216465	0.000681
797.442	0.0510262	0.00092
797.924	0.0357851	0.001095
798.406	0.0170144	0.000839
798.888	0.0044957	0.00085
799.371	0.004762	0.000908
799.853	0.0046709	0.000959
800.335	0.0059761	0.000998
800.817	0.003428	0.000528
801.299	0.0028889	0.00114
801.781	0.0022918	0.000676
802.263	0.001741	0.001116
802.745	0.0019627	0.000832
803.227	0.0005739	0.000999
803.71	0.0030431	0.000918
804.192	0.0054541	0.000799
804.674	0.0047755	0.000722
805.156	0.0113649	0.00092
805.638	0.0331302	0.001021
806.12	0.0540115	0.001553
806.602	0.0446773	0.001134
807.084	0.0631484	0.000538
807.567	0.0771404	0.00094
808.049	0.015815	0.000894
808.531	0.0078588	0.001427
809.013	0.01452	0.000401
809.495	0.0351789	0.001164
809.977	0.0110122	0.00066
810.459	0.0076062	0.001394
810.941	0.0063255	0.000962
811.423	0.0089505	0.001191
811.906	0.0317253	0.001005
812.388	0.046957	0.001455
812.87	0.0147953	0.001149
813.352	0.0226466	0.001088
813.834	0.0672092	0.000874
814.316	0.102826	0.001025
814.798	0.0304501	0.000836

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0629927	0.001342
815.762	0.0689988	0.001275
816.245	0.145897	0.001416
816.727	0.103083	0.002359
817.209	0.0113319	0.001583
817.691	0.0049714	0.001015
818.173	0.0023242	0.00367
818.655	0.0102226	0.007103
819.137	-0.0003777	0.004728
819.619	0.0060663	0.002039
820.102	0.0028921	0.000947
820.584	0.004032	0.00082
821.066	0.0054049	0.001
821.548	0.0042774	0.001366
822.03	0.0056201	0.00132
822.512	0.0078135	0.001892
822.994	0.0052895	0.001366
823.476	0.0021616	0.000962
823.959	0.0042367	0.000653
824.441	0.0054943	0.001084
824.923	0.0044269	0.001541
825.405	0.0112423	0.000684
825.887	0.0280057	0.001114
826.369	0.0770994	0.000943
826.851	0.0962826	0.001228
827.333	0.171688	0.001446
827.816	0.151413	0.001626
828.298	0.0144909	0.000978
828.78	0.0079263	0.001109
829.262	0.0077896	0.000933
829.744	0.0090211	0.00088
830.226	0.0284369	0.000857
830.708	0.0482789	0.00112
831.19	0.0154015	0.001613
831.672	0.0196811	0.001162
832.155	0.0672599	0.000927
832.637	0.145139	0.001536
833.119	0.0290981	0.000457
833.601	0.057939	0.000719
834.083	0.0972167	0.001056
834.565	0.0886683	0.001107
835.047	0.0335249	0.000535
835.529	0.0097803	0.000499
836.011	0.006718	0.000659
836.494	0.0063716	0.001039

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0038933	0.001414
837.458	0.0042741	0.000771
837.94	0.0025499	0.001101
838.422	0.0015151	0.001012
838.904	0.0027445	0.001049
839.386	0.0016286	0.000535
839.868	0.0006413	0.000622
840.351	0.0015512	0.00047
840.833	0.0022717	0.000682
841.315	0.0039545	0.000619
841.797	0.006495	0.000521
842.279	0.0093394	0.000961
842.761	0.005832	0.000845
843.243	0.0044732	0.000773
843.725	0.0063937	0.000917
844.207	0.0031331	0.000755
844.69	0.004454	0.000791
845.172	0.0089602	0.001146
845.654	0.0134559	0.000817
846.136	0.0228259	0.001031
846.618	0.0515782	0.000585
847.1	0.158589	0.000755
847.582	0.233247	0.000771
848.064	0.0415135	0.000763
848.546	0.0147029	0.000793
849.029	0.0124208	0.000678
849.511	0.0130042	0.000475
849.993	0.0181229	0.000779
850.475	0.032809	0.000813
850.957	0.0887705	0.00145
851.439	0.0950352	0.000992
851.921	0.0488283	0.000826
852.403	0.102408	0.000907
852.886	0.118241	0.000955
853.368	0.241381	0.001063
853.85	0.208784	0.001236
854.332	0.0258355	0.00086
854.814	0.0113018	0.000535
855.296	0.0062813	0.000912
855.778	0.0040482	0.000872
856.26	0.0038642	0.000798
856.742	0.0046692	0.000788
857.225	0.0037257	0.000485
857.707	0.0025215	0.000563
858.189	0.002849	0.000531

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0040172	0.000698
859.153	0.0020941	0.000953
859.635	0.0017077	0.000666
860.117	0.0027399	0.000815
860.599	0.0018246	0.000452
861.081	0.0023914	0.000859
861.564	0.0037498	0.000529
862.046	0.0044746	0.000696
862.528	0.0034672	0.000607
863.01	0.0048662	0.000704
863.492	0.0022977	0.000436
863.974	0.0035913	0.000804
864.456	0.005143	0.000625
864.938	0.0060355	0.000735
865.421	0.0140459	0.000614
865.903	0.0164684	0.000771
866.385	0.0287447	0.00071
866.867	0.06835	0.000696
867.349	0.233476	0.000806
867.831	0.391904	0.002815
868.313	0.0505678	0.000427
868.795	0.0192833	0.000673
869.277	0.0087722	0.000644
869.76	0.0082618	0.000616
870.242	0.011276	0.000688
870.724	0.019723	0.000373
871.206	0.0448308	0.000656
871.688	0.114759	0.001112
872.17	0.0794107	0.001013
872.652	0.0927678	0.001137
873.134	0.0108907	0.000596
873.617	0.0056951	0.00063
874.099	0.0029436	0.000742
874.581	0.0020327	0.000581
875.063	0.0015949	0.000861
875.545	0.0017809	0.000419
876.027	0.0016853	0.000731
876.509	0.0034281	0.000685
876.991	0.0013206	0.000468
877.474	0.001794	0.00076
877.956	0.0035544	0.000789
878.438	0.0030869	0.000845
878.92	0.0023276	0.000728
879.402	0.0012157	0.000557
879.884	0.0013646	0.00066

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0017859	0.000692
880.848	0.0011504	0.000696
881.33	0.0014634	0.000745
881.813	0.001468	0.000515
882.295	0.0032334	0.000692
882.777	0.0045913	0.000534
883.259	0.0040662	0.000596
883.741	0.0028591	0.000747
884.223	0.0047771	0.000657
884.705	0.0054978	0.000944
885.187	0.0071063	0.000572
885.669	0.0103392	0.000718
886.152	0.0156755	0.00077
886.634	0.0249516	0.000837
887.116	0.0656439	0.000611
887.598	0.196374	0.001071
888.08	0.191978	0.00056
888.562	0.025664	0.000807
889.044	0.0137644	0.000643
889.526	0.0104644	0.000543
890.009	0.0128446	0.000428
890.491	0.019691	0.000417
890.973	0.036671	0.000588
891.455	0.117922	0.000642
891.937	0.294734	0.000966
892.419	0.0609186	0.000602
892.901	0.0157963	0.000572
893.383	0.0073396	0.00048
893.865	0.0039217	0.000449
894.348	0.0029043	0.000901
894.83	0.0031151	0.000549
895.312	0.0038465	0.00043
895.794	0.0040113	0.00052
896.276	0.002582	0.000512
896.758	0.0015326	0.00051
897.24	0.0012628	0.000599
897.722	0.0008957	0.000661
898.204	0.0028789	0.000458
898.687	0.0030329	0.00036
899.169	0.0024379	0.000434
899.651	0.0027833	0.000894
900.133	0.0052992	0.000818
900.615	0.0047547	0.000459
901.097	0.0021818	0.000595
901.579	0.0032436	0.000564

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	0.0041522	0.000653
902.544	0.004099	0.000512
903.026	0.0064715	0.00055
903.508	0.0037455	0.000466
903.99	0.005525	0.000652
904.472	0.0075287	0.000535
904.954	0.0082017	0.000622
905.436	0.0086947	0.000558
905.918	0.0145722	0.000558
906.4	0.0210829	0.001019
906.883	0.0308546	0.000787
907.365	0.0842561	0.000511
907.847	0.268558	0.001044
908.329	0.178139	0.000621
908.811	0.0378756	0.000581
909.293	0.0150961	0.000821
909.775	0.0098512	0.000545
910.257	0.0083585	0.000644
910.739	0.0071636	0.000455
911.222	0.0096567	0.000705
911.704	0.016553	0.000629
912.186	0.0388881	0.000763
912.668	0.009088	0.00102
913.15	0.0088458	0.000614
913.632	0.0068855	0.000454
914.114	0.0075556	0.000636
914.596	0.0098941	0.000583
915.079	0.020836	0.000589
915.561	0.044494	0.000524
916.043	0.0156288	0.00065
916.525	0.0178102	0.000741
917.007	0.0127934	0.000507
917.489	0.0157009	0.000606
917.971	0.030625	0.000628
918.453	0.0708593	0.000747
918.935	0.026273	0.000464
919.418	0.0219653	0.00043
919.9	0.0227447	0.000464
920.382	0.0458106	0.000549
920.864	0.117751	0.000468
921.346	0.149509	0.000924
921.828	0.0557945	0.000822
922.31	0.0370395	0.000623
922.792	0.0609622	0.000711
923.275	0.144276	0.000889

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.134304	0.000804
924.239	0.0706048	0.000601
924.721	0.0739058	0.00082
925.203	0.154775	0.000929
925.685	0.218122	0.001002
926.167	0.123571	0.00073
926.649	0.203755	0.000815
927.132	0.508438	0.001309
927.614	0.298369	0.001188
928.096	0.306731	0.00129
928.578	0.488457	0.001692
929.06	0.428194	0.000796
929.542	0.365315	0.001791
930.024	0.570825	0.001594
930.506	0.719502	0.002788
930.988	0.764095	0.002347
931.471	0.660361	0.002049
931.953	0.482856	0.002023
932.435	0.277435	0.000791
932.917	0.323593	0.001226
933.399	0.102644	0.000605
933.881	0.14254	0.000981
934.363	0.1436	0.001409
934.845	0.04852	0.001619
935.328	0.0633233	0.001742
935.81	0.0804755	0.003786
936.292	0.0173083	0.000976
936.774	0.0231727	0.000752
937.256	0.0324837	0.000563
937.738	0.020488	0.000844
938.22	0.0110502	0.000745
938.702	0.016835	0.000798
939.184	0.0187071	0.000892
939.667	0.0101557	0.000714
940.149	0.0094612	0.000662
940.631	0.0094462	0.000736
941.113	0.0069803	0.000521
941.595	0.0061391	0.000645
942.077	0.0068124	0.000457
942.559	0.0090539	0.000378
943.041	0.0073613	0.000701
943.523	0.0071621	0.00064
944.006	0.00965	0.000537
944.488	0.0102395	0.000329
944.97	0.0186433	0.000757

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	0.0177421	0.000472
945.934	0.0191093	0.000566
946.416	0.0214782	0.000739
946.898	0.0207514	0.000516
947.38	0.0409029	0.000573
947.863	0.104107	0.00081
948.345	0.0988954	0.000966
948.827	0.0306391	0.00074
949.309	0.0415251	0.00041
949.791	0.0260923	0.000412
950.273	0.026592	0.000565
950.755	0.0339664	0.000633
951.237	0.0873361	0.000882
951.719	0.182589	0.000634
952.202	0.0271025	0.000534
952.684	0.0153187	0.000381
953.166	0.0147461	0.000574
953.648	0.0116459	0.000447
954.13	0.0172835	0.000757
954.612	0.0166342	0.000665
955.094	0.0174663	0.000761
955.576	0.0219383	0.000451
956.058	0.0338054	0.000635
956.541	0.0269243	0.000539
957.023	0.0308883	0.00039
957.505	0.0529302	0.000549
957.987	0.0540885	0.000536
958.469	0.0425815	0.000644
958.951	0.0635319	0.000701
959.433	0.0937867	0.000644
959.915	0.0811227	0.000591
960.398	0.104021	0.000629
960.88	0.185226	0.000865
961.362	0.138689	0.000594
961.844	0.232713	0.000586
962.326	0.254364	0.000954
962.808	0.235004	0.001491
963.29	0.399234	0.001776
963.772	0.364404	0.001163
964.254	0.545554	0.001975
964.737	0.544848	0.001763
965.219	0.823206	0.003675
965.701	0.632666	0.002693
966.183	0.843794	0.003378
966.665	0.783662	0.003336

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.701287	0.002276
967.629	0.423034	0.001314
968.111	0.119474	0.00095
968.594	0.0315686	0.000388
969.076	0.0154212	0.000588
969.558	0.0116033	0.00081
970.04	0.0112951	0.000641
970.522	0.0115246	0.000891
971.004	0.0285477	0.000989
971.486	0.0758868	0.000724
971.968	0.0805912	0.000881
972.45	0.0087892	0.00065
972.933	0.0040595	0.000745
973.415	0.0012473	0.000733
973.897	0.0008653	0.000566
974.379	-0.0004195	0.000759
974.861	-0.0006272	0.000396
975.343	0.00103	0.000729
975.825	0.0001059	0.000904
976.307	-0.000331	0.000382
976.79	-0.0000895	0.000456
977.272	0.0012035	0.000409
977.754	0.0010091	0.000583
978.236	0.0013571	0.000474
978.718	0.0010446	0.000508
979.2	0.0023277	0.000537
979.682	0.0006185	0.00045
980.164	0.0011958	0.000632
980.646	0.0023322	0.00054
981.129	0.0015083	0.000549
981.611	0.0013059	0.000377
982.093	0.0005628	0.00056
982.575	0.0011387	0.000672
983.057	0.002374	0.00049
983.539	0.0027938	0.000875
984.021	0.0013638	0.000443
984.503	0.0012556	0.000497
984.986	0.0043428	0.000472
985.468	0.0038549	0.00046
985.95	0.0048995	0.00048
986.432	0.0045236	0.000532
986.914	0.0071912	0.000584
987.396	0.0107477	0.000442
987.878	0.0111718	0.000538
988.36	0.0108143	0.000382

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	0.008942	0.000589
989.325	0.0115069	0.000686
989.807	0.0160995	0.000361
990.289	0.024031	0.000684
990.771	0.0456918	0.000744
991.253	0.109897	0.000758
991.735	0.216888	0.000602
992.217	0.328552	0.001073
992.699	0.291242	0.000988
993.181	0.0324751	0.000428
993.664	0.0123982	0.0005
994.146	0.0050884	0.000534
994.628	0.0007077	0.00048
995.11	0.0033123	0.000757
995.592	0.0021015	0.000463
996.074	0.003217	0.000547
996.556	0.0037463	0.000619
997.038	0.0039294	0.000739
997.521	0.0033301	0.00043
998.003	0.0027378	0.000613
998.485	0.0036846	0.000559
998.967	0.0043355	0.000451
999.449	0.0015819	0.000566
999.931	0.0048024	0.000618
1000.41	0.0059877	0.000333
1000.89	0.0038982	0.000629
1001.37	0.0042341	0.000703
1001.86	0.0069432	0.000438
1002.34	0.005374	0.000736
1002.82	0.0056156	0.000525
1003.3	0.0074537	0.000575
1003.78	0.0075727	0.000618
1004.27	0.0081493	0.000373
1004.75	0.0144377	0.00054
1005.23	0.0189652	0.000324
1005.71	0.0256774	0.000591
1006.19	0.0365156	0.000491
1006.68	0.089545	0.000728
1007.16	0.234161	0.001383
1007.64	0.196375	0.000745
1008.12	0.0299081	0.000716
1008.6	0.0169256	0.000684
1009.09	0.0163438	0.000854
1009.57	0.0194202	0.000597
1010.05	0.0339788	0.000936

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	0.0899071	0.000794
1011.02	0.222054	0.000831
1011.5	0.0727641	0.000923
1011.98	0.115292	0.001009
1012.46	0.219025	0.000815
1012.94	0.183179	0.001033
1013.43	0.0397343	0.000386
1013.91	0.0092687	0.000575
1014.39	0.0053054	0.000514
1014.87	0.0029288	0.00038
1015.35	0.0031474	0.000565
1015.84	0.002652	0.000698
1016.32	0.0029983	0.000731
1016.8	0.0015402	0.000518
1017.28	0.0011453	0.000451
1017.77	0.0018807	0.000912
1018.25	0.0018209	0.00071
1018.73	0.0019199	0.000389
1019.21	0.0028415	0.000595
1019.69	0.0033318	0.000632
1020.18	0.0047085	0.00073
1020.66	0.0060229	0.000406
1021.14	0.0057258	0.00069
1021.62	0.0087716	0.000634
1022.1	0.0095016	0.000523
1022.59	0.0151548	0.000759
1023.07	0.0111088	0.000482
1023.55	0.0062711	0.001024
1024.03	0.0099323	0.000643
1024.52	0.0147668	0.000384
1025	0.014356	0.000481
1025.48	0.0199565	0.000455
1025.96	0.0431259	0.000525
1026.44	0.122103	0.000826
1026.93	0.267643	0.001332
1027.41	0.0334194	0.000716
1027.89	0.0147035	0.000535
1028.37	0.0125217	0.000834
1028.85	0.0154897	0.000762
1029.34	0.0249169	0.001117
1029.82	0.0576794	0.000498
1030.3	0.114827	0.001059
1030.78	0.0368988	0.000704
1031.26	0.0745126	0.000546
1031.75	0.182382	0.000543

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.189138	0.000836
1032.71	0.116661	0.000986
1033.19	0.273038	0.001245
1033.67	0.250131	0.000998
1034.16	0.333825	0.001233
1034.64	0.0362459	0.000384
1035.12	0.0112058	0.000428
1035.6	0.0047194	0.000641
1036.08	0.0036168	0.000577
1036.57	0.0034483	0.000719
1037.05	0.0030732	0.001038
1037.53	0.0029769	0.000737
1038.01	0.0038867	0.000884
1038.49	0.004117	0.000705
1038.98	0.0068924	0.00076
1039.46	0.0082531	0.000669
1039.94	0.0068152	0.000728
1040.42	0.0088021	0.000481
1040.9	0.0123187	0.000424
1041.39	0.0065836	0.000802
1041.87	0.0063763	0.000966
1042.35	0.0091638	0.000761
1042.83	0.0120946	0.000811
1043.32	0.0137161	0.000713
1043.8	0.0175227	0.000592
1044.28	0.0251644	0.000602
1044.76	0.0376331	0.000776
1045.24	0.0828985	0.000663
1045.73	0.219637	0.000926
1046.21	0.499339	0.001723
1046.69	0.130866	0.000734
1047.17	0.0347285	0.000685
1047.65	0.0186593	0.000612
1048.14	0.0175111	0.000584
1048.62	0.0334289	0.000381
1049.1	0.0710321	0.000513
1049.58	0.0250227	0.000845
1050.06	0.0153772	0.000622
1050.55	0.029913	0.000389
1051.03	0.0685108	0.000684
1051.51	0.111687	0.000832
1051.99	0.0454738	0.0006
1052.47	0.0985736	0.000646
1052.96	0.232307	0.001923
1053.44	0.0723046	0.000549

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.121253	0.000464
1054.4	0.130003	0.000955
1054.88	0.141906	0.000668
1055.37	0.0161859	0.000585
1055.85	0.0068631	0.000478
1056.33	0.0044121	0.000446
1056.81	0.0046181	0.000947
1057.29	0.0026144	0.000832
1057.78	0.0032633	0.000822
1058.26	0.0050183	0.000678
1058.74	0.006968	0.000323
1059.22	0.0039205	0.000645
1059.71	0.0070299	0.000575
1060.19	0.0067647	0.000714
1060.67	0.0047902	0.000307
1061.15	0.0070531	0.000926
1061.63	0.0090428	0.00052
1062.12	0.0099172	0.000722
1062.6	0.0127302	0.00062
1063.08	0.0163864	0.000856
1063.56	0.0228847	0.000415
1064.04	0.0325847	0.000848
1064.53	0.0782198	0.000628
1065.01	0.210781	0.000882
1065.49	0.39634	0.001875
1065.97	0.062208	0.000728
1066.45	0.0221731	0.000475
1066.94	0.0239746	0.000823
1067.42	0.0499983	0.000652
1067.9	0.0990541	0.00057
1068.38	0.0151241	0.000635
1068.86	0.0123314	0.000449
1069.35	0.015015	0.000639
1069.83	0.0324983	0.000416
1070.31	0.0694507	0.000718
1070.79	0.0335058	0.000588
1071.27	0.0180784	0.000695
1071.76	0.0345775	0.000514
1072.24	0.0642868	0.000807
1072.72	0.0698802	0.000641
1073.2	0.04927	0.000804
1073.68	0.104446	0.000717
1074.17	0.166367	0.000682
1074.65	0.0761254	0.00064
1075.13	0.175468	0.000968

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.17861	0.000661
1076.09	0.119132	0.000741
1076.58	0.0123778	0.000482
1077.06	0.0063877	0.000782
1077.54	0.0012685	0.000681
1078.02	0.0024802	0.000742
1078.51	0.0051594	0.000871
1078.99	0.0083904	0.000759
1079.47	0.0068369	0.000488
1079.95	0.0071638	0.00079
1080.43	0.0086383	0.000602
1080.92	0.0098743	0.000545
1081.4	0.0105745	0.000444
1081.88	0.0145544	0.00049
1082.36	0.0206351	0.000604
1082.84	0.0299872	0.000556
1083.33	0.0573113	0.000605
1083.81	0.153896	0.000757
1084.29	0.387972	0.001813
1084.77	0.195978	0.0013
1085.25	0.0427432	0.000851
1085.74	0.0332755	0.000506
1086.22	0.0425866	0.000383
1086.7	0.0098677	0.000409
1087.18	0.0098911	0.00054
1087.66	0.0096838	0.000751
1088.15	0.0157685	0.000442
1088.63	0.0393749	0.000819
1089.11	0.083674	0.000433
1089.59	0.0271881	0.00079
1090.07	0.0080867	0.000553
1090.56	0.010759	0.000475
1091.04	0.0227117	0.000673
1091.52	0.0475768	0.000527
1092	0.0226733	0.001004
1092.48	0.0160734	0.000381
1092.97	0.0296607	0.000721
1093.45	0.061721	0.000932
1093.93	0.033505	0.000662
1094.41	0.0504083	0.000595
1094.9	0.114187	0.000517
1095.38	0.0466474	0.000909
1095.86	0.0737083	0.000765
1096.34	0.0527685	0.000471
1096.82	0.0328895	0.000606

Ammonia

v/v (1 + 19) Solution

ALVNH3
DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0102928	0.000713
1097.79	0.0082671	0.001069
1098.27	0.005684	0.000431
1098.75	0.0047232	0.000924
1099.23	0.0050425	0.000885
1099.72	0.0083004	0.000942
1100.2	0.0068659	0.00055
1100.68	0.0102101	0.000557
1101.16	0.0138522	0.000721
1101.64	0.0202078	0.000885
1102.13	0.0371675	0.000734
1102.61	0.104727	0.001129
1103.09	0.270645	0.001568
1103.57	0.196729	0.000776
1104.05	0.0454511	0.000803
1104.54	0.0179233	0.000548
1105.02	0.0074299	0.000612
1105.5	0.0056515	0.000595
1105.98	0.0036443	0.000559
1106.46	0.0047775	0.000872
1106.95	0.0093792	0.000761
1107.43	0.0216671	0.000886
1107.91	0.0248254	0.000602
1108.39	0.0073395	0.000472
1108.87	0.0065434	0.000655
1109.36	0.0067905	0.000657
1109.84	0.0179547	0.000667
1110.32	0.0430573	0.000512
1110.8	0.0382222	0.000752
1111.28	0.0089597	0.000863
1111.77	0.0089424	0.000286
1112.25	0.0156128	0.000752
1112.73	0.0373593	0.000687
1113.21	0.0119091	0.000882
1113.7	0.0105165	0.000353
1114.18	0.0229693	0.000665
1114.66	0.0429851	0.000614
1115.14	0.021243	0.000426
1115.62	0.0438849	0.000694
1116.11	0.0569278	0.000397
1116.59	0.0472044	0.000764
1117.07	0.0642177	0.000709
1117.55	0.0903813	0.000869
1118.03	0.0068051	0.000531
1118.52	0.0056829	0.000715

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0054926	0.000462
1119.48	0.0084003	0.000927
1119.96	0.0126651	0.000728
1120.44	0.0168915	0.000875
1120.93	0.0432434	0.000764
1121.41	0.122909	0.000812
1121.89	0.308784	0.000899
1122.37	0.0866764	0.000667
1122.85	0.0203141	0.000753
1123.34	0.0101344	0.000645
1123.82	0.0060124	0.000664
1124.3	0.0065334	0.000478
1124.78	0.0060327	0.000467
1125.26	0.0086755	0.000814
1125.75	0.0161108	0.001062
1126.23	0.0078106	0.000272
1126.71	0.0007118	0.000487
1127.19	0.0015295	0.000831
1127.67	0.0024051	0.000587
1128.16	0.0031428	0.000579
1128.64	0.0093955	0.000625
1129.12	0.0221076	0.000713
1129.6	0.0048323	0.000532
1130.09	0.0042556	0.000474
1130.57	0.0059618	0.000794
1131.05	0.0137093	0.000587
1131.53	0.0274575	0.000661
1132.01	0.0172283	0.000535
1132.5	0.0043488	0.000562
1132.98	0.0054053	0.000639
1133.46	0.0109269	0.000508
1133.94	0.0189502	0.000548
1134.42	0.0055414	0.000677
1134.91	0.0114085	0.000611
1135.39	0.023706	0.0004
1135.87	0.0110841	0.000442
1136.35	0.0227432	0.000706
1136.83	0.0317209	0.000484
1137.32	0.0266066	0.00047
1137.8	0.024587	0.000695
1138.28	0.0136188	0.000853
1138.76	0.0147949	0.000717
1139.24	0.0244815	0.000544
1139.73	0.054269	0.000666
1140.21	0.136895	0.000563

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	0.145302	0.00049
1141.17	0.0171381	0.00044
1141.65	0.007019	0.000582
1142.14	0.0044205	0.000606
1142.62	0.0022971	0.000587
1143.1	0.0077062	0.000634
1143.58	0.0131573	0.00062
1144.06	0.0085183	0.000412
1144.55	0.0033553	0.000415
1145.03	0.0012875	0.000521
1145.51	0.0015827	0.000864
1145.99	0.0006268	0.000314
1146.48	0.0033044	0.000481
1146.96	0.0065657	0.000759
1147.44	0.0103792	0.000559
1147.92	0.0020901	0.000706
1148.4	0.0024458	0.000559
1148.89	0.0013553	0.000485
1149.37	0.0024125	0.000884
1149.85	0.005692	0.000553
1150.33	0.0105862	0.000369
1150.81	0.0017094	0.000464
1151.3	0.0018098	0.000679
1151.78	0.0034494	0.000538
1152.26	0.0093624	0.000597
1152.74	0.0196775	0.000433
1153.22	0.0017604	0.000479
1153.71	0.0043755	0.000564
1154.19	0.0050959	0.000486
1154.67	0.0113025	0.000571
1155.15	0.0044306	0.000573
1155.63	0.0076743	0.0004
1156.12	0.0169974	0.000522
1156.6	0.0151259	0.000424
1157.08	0.0237273	0.000491
1157.56	0.0202591	0.000378
1158.04	0.0574226	0.000709
1158.53	0.128121	0.00045
1159.01	0.130925	0.000649
1159.49	0.0113705	0.00042
1159.97	0.0036569	0.000541
1160.45	0.0016497	0.000639
1160.94	0.0028715	0.00057
1161.42	0.0046336	0.000438
1161.9	0.000217	0.000371

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.0006617	0.000334
1162.86	0.0003315	0.000349
1163.35	0.0006243	0.000686
1163.83	0.0022746	0.000629
1164.31	0.0015976	0.000456
1164.79	0.0039261	0.000439
1165.28	0.0096386	0.000282
1165.76	0.0026914	0.00066
1166.24	0.0018409	0.000426
1166.72	0.0004863	0.000551
1167.2	0.0006688	0.000352
1167.69	0.000702	0.000436
1168.17	0.0033773	0.000666
1168.65	0.0059463	0.000675
1169.13	0.0013256	0.000726
1169.61	0.0015042	0.000487
1170.1	0.0004158	0.000419
1170.58	0.0031979	0.000453
1171.06	0.0037718	0.000426
1171.54	0.0038724	0.000637
1172.02	0.0018655	0.000418
1172.51	0.0031496	0.000404
1172.99	0.00714	0.000565
1173.47	0.0107054	0.00053
1173.95	0.00273	0.000556
1174.43	0.0044715	0.00059
1174.92	0.0054213	0.000411
1175.4	0.0067631	0.000659
1175.88	0.0138636	0.000462
1176.36	0.0413571	0.000584
1176.84	0.0901094	0.000598
1177.33	0.0259842	0.000508
1177.81	0.0062002	0.000478
1178.29	0.0070003	0.000394
1178.77	0.0040834	0.000477
1179.25	0.0021124	0.000654
1179.74	0.0008868	0.000376
1180.22	0.0013669	0.000308
1180.7	-0.0002272	0.000435
1181.18	0.0007104	0.000446
1181.67	0.0007478	0.000491
1182.15	0.0001861	0.000347
1182.63	0.000919	0.000499
1183.11	0.0018678	0.000509
1183.59	0.0012448	0.000446

Ammonia

v/v (1 + 19) Solution

ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	0.000299	0.000445
1184.56	0.0012111	0.000451
1185.04	0.0005904	0.000312
1185.52	0.0004278	0.000475
1186	0.0023253	0.000514
1186.49	0.0042908	0.000349
1186.97	0.0025116	0.000532
1187.45	0.0012942	0.000476
1187.93	0.0013559	0.000378
1188.41	0.0003832	0.000253
1188.9	0.0014569	0.000477
1189.38	0.0023238	0.000352
1189.86	0.0020001	0.000478
1190.34	0.0003236	0.000473
1190.82	0.0013211	0.000569
1191.31	0.0015691	0.000333
1191.79	0.0021044	0.000244
1192.27	0.0017966	0.000565
1192.75	0.0022012	0.00045
1193.23	0.0031471	0.00041
1193.72	0.0076538	0.000605
1194.2	0.0165517	0.000532
1194.68	0.0389091	0.000475
1195.16	0.0273833	0.000361
1195.64	0.0063869	0.000444
1196.13	0.0023508	0.000386
1196.61	0.002559	0.00037
1197.09	0.0008921	0.000556
1197.57	0.003339	0.000595
1198.06	0.0038551	0.000406
1198.54	0.0038078	0.000392
1199.02	0.0003334	0.00059
1199.5	0.0005632	0.000307
1199.98	0.000972	0.000541
1200.47	0.001465	0.00066
1200.95	0.0004186	0.000331
1201.43	0.0004318	0.00034
1201.91	-0.0001316	0.000604
1202.39	-0.0003689	0.000347
1202.88	0.0006223	0.000433
1203.36	0.0006848	0.000341
1203.84	0.0003588	0.000282
1204.32	0.0003112	0.000317
1204.8	0.0005714	0.000442
1205.29	0.0012716	0.000408

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0003919	0.000411
1206.25	-0.0006469	0.000384
1206.73	0.0012299	0.000239
1207.21	0.0010982	0.000473
1207.7	0.0021547	0.000408
1208.18	0.0010907	0.000364
1208.66	0.0003681	0.000429
1209.14	0.0003646	0.000281
1209.62	0.0006814	0.000556
1210.11	0.0023611	0.000559
1210.59	0.0014911	0.000522
1211.07	0.0018868	0.000242
1211.55	0.003955	0.000364
1212.03	0.0111638	0.000488
1212.52	0.0190719	0.000403
1213	0.0071814	0.000395
1213.48	0.0038178	0.00038
1213.96	0.0014218	0.000468
1214.45	0.0004471	0.000418
1214.93	0.0000337	0.000485
1215.41	0.001253	0.000411
1215.89	0.0001855	0.000479
1216.37	0.0012523	0.000392
1216.86	0.0008556	0.000201
1217.34	0.0018795	0.00052
1217.82	0.0010118	0.000579
1218.3	0.0002702	0.000481
1218.78	0.0006232	0.000542
1219.27	0.0006108	0.000353
1219.75	0.0010007	0.00054
1220.23	-0.0000485	0.000401
1220.71	-0.0004175	0.000421
1221.19	-0.0000793	0.000486
1221.68	0.001179	0.000511
1222.16	0.0003584	0.000363
1222.64	0.0005592	0.000368
1223.12	0.0007287	0.000426
1223.6	0.0004775	0.00049
1224.09	0.0004408	0.000317
1224.57	0.0013619	0.000318
1225.05	0.0018542	0.000394
1225.53	0.000834	0.000438
1226.01	0.0009681	0.000599
1226.5	0.0007801	0.000497
1226.98	0.0000197	0.000548

Ammonia

v/v (1 + 19) Solution

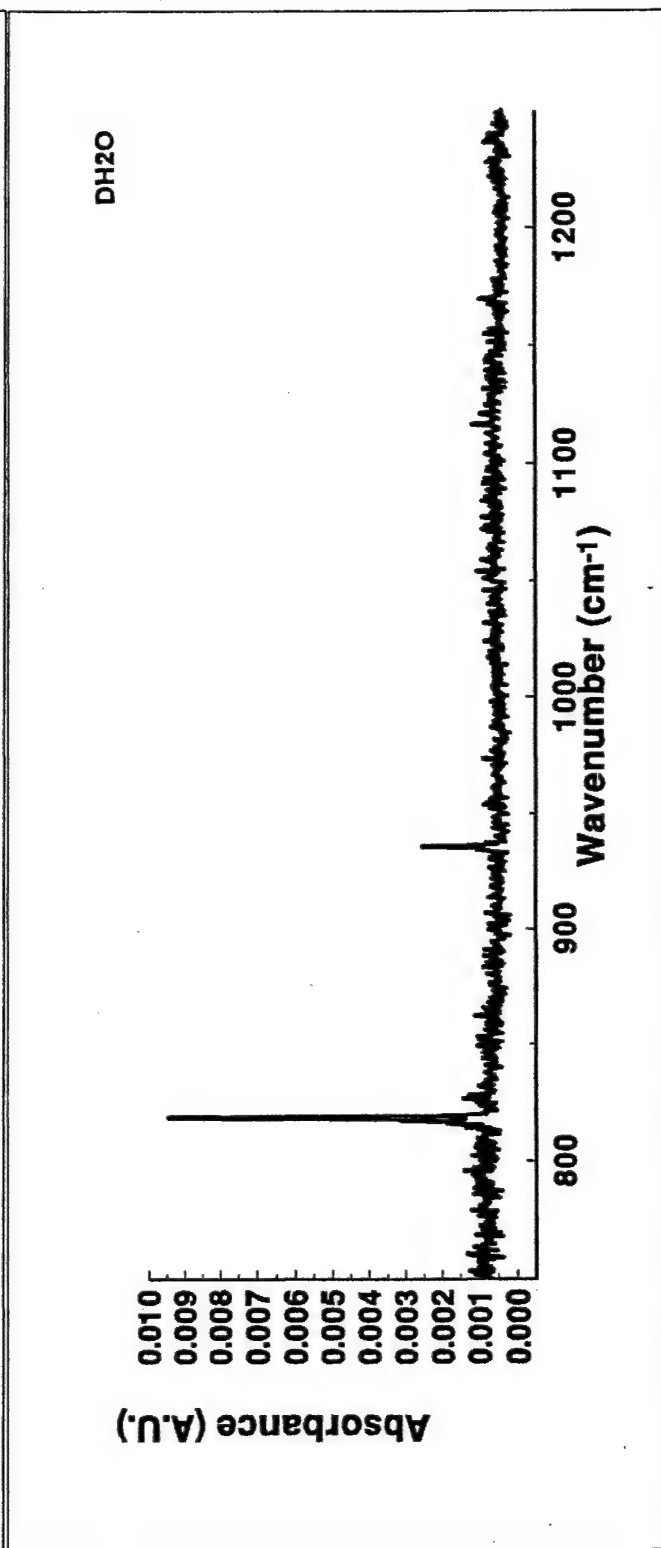
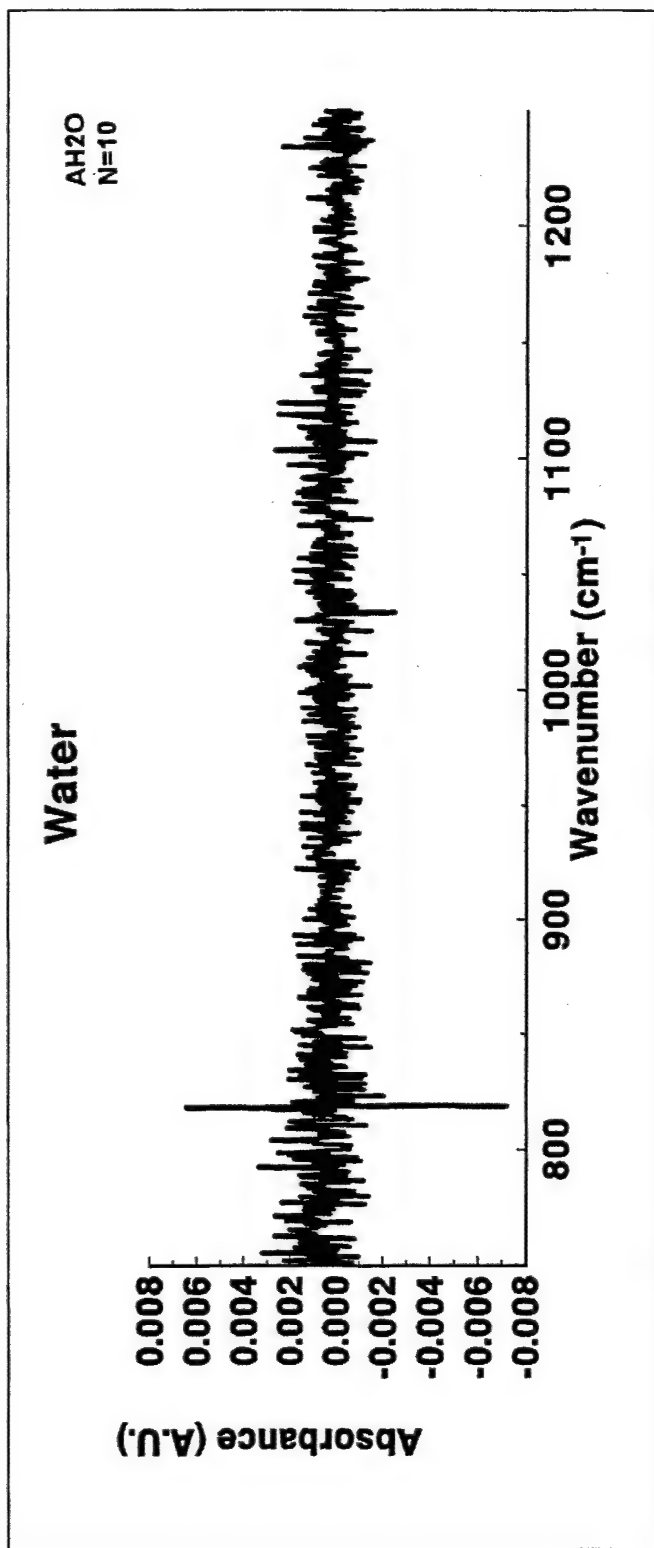
ALVNH3

DLVNH3

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0007796	0.000704
1227.94	0.0003463	0.000705
1228.42	0.0012685	0.000751
1228.91	0.0014555	0.000681
1229.39	0.0036377	0.000839
1229.87	0.0069482	0.001031
1230.35	0.0052943	0.001455
1230.83	0.0027651	0.000817
1231.32	0.0010306	0.000499
1231.8	0.0012553	0.000601
1232.28	0.0015369	0.000453
1232.76	-0.0003918	0.000394
1233.25	-0.0003783	0.000532
1233.73	0.0008806	0.000263
1234.21	0.0004202	0.000353
1234.69	-0.0006184	0.00051
1235.17	-0.0002419	0.000528
1235.66	0.0010796	0.000661
1236.14	0.0006708	0.000452
1236.62	0.0013556	0.000475
1237.1	-0.0017574	0.000522
1237.58	0.0013159	0.000358
1238.07	-0.0003514	0.000389
1238.55	0.0012735	0.00069
1239.03	0.000958	0.000455
1239.51	0.0005826	0.000483
1239.99	0.000668	0.000512
1240.48	0.000795	0.00032
1240.96	-0.0005492	0.000563
1241.44	0.0001109	0.000366
1241.92	0.0002338	0.000491
1242.4	0.00045	0.000615
1242.89	0.0013343	0.000539
1243.37	0.0003119	0.000481
1243.85	0.00052	0.000463
1244.33	0.0009611	0.000415
1244.81	0.0006457	0.00037
1245.3	0.000083	0.000433
1245.78	0.0007078	0.000391
1246.26	0.0009702	0.000375
1246.74	0.0012972	0.000293
1247.22	0.0031125	0.00028
1247.71	0.0012357	0.000356
1248.19	0.0018585	0.000417
1248.67	0.0001509	0.000483

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0002707	0.000309
1249.63	-0.0000817	0.000535
1250.12	0.0001686	0.0006

APPENDIX E
WATER REFERENCE SPECTRUM



Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
750.195	0.0013409	0.000714
750.677	-0.0006195	0.000872
751.159	-0.0007109	0.000902
751.641	0.0022187	0.001104
752.123	0.0005334	0.00076
752.605	0.0009075	0.000667
753.087	-0.0005386	0.001236
753.57	-0.0009728	0.000638
754.052	0.0012088	0.000864
754.534	0.0000326	0.000976
755.016	0.0031423	0.000714
755.498	0.0009674	0.000929
755.98	0.0012017	0.000839
756.462	-0.0001151	0.000985
756.944	0.0012974	0.000836
757.426	0.001799	0.001005
757.909	-0.0006051	0.000629
758.391	0.0005823	0.000752
758.873	0.001006	0.000375
759.355	0.0015409	0.000847
759.837	0.0003607	0.001191
760.319	0.0015124	0.001291
760.801	0.0014759	0.000785
761.283	-0.0008096	0.00097
761.766	0.0004588	0.000534
762.248	0.0026261	0.000778
762.73	0.001831	0.000833
763.212	0.0008407	0.001129
763.694	0.0011598	0.000871
764.176	0.0015932	0.000921
764.658	0.0012079	0.000602
765.14	0.0020092	0.000739
765.622	0.0007959	0.000816
766.105	0.0007802	0.00078
766.587	0.0006864	0.000707
767.069	0.0004136	0.000827
767.551	0.0012997	0.000752
768.033	0.0006216	0.000395
768.515	-0.0006508	0.001075
768.997	0.0021441	0.000885
769.479	0.0007183	0.000447
769.961	0.001429	0.000772
770.444	0.0010634	0.000899
770.926	0.002623	0.000856
771.408	0.0015739	0.000598

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
771.89	0.0002212	0.000775
772.372	0.0007357	0.000956
772.854	0.0013216	0.000697
773.336	0.0013679	0.000621
773.818	0.0000841	0.000829
774.301	0.0009691	0.000804
774.783	0.0013313	0.000726
775.265	0.0005502	0.000707
775.747	0.0000328	0.000562
776.229	-0.001263	0.000634
776.711	0.0023186	0.001002
777.193	0.0000308	0.000653
777.675	0.0008103	0.000589
778.157	0.0009548	0.000911
778.64	-0.0001144	0.000534
779.122	0.0015032	0.00119
779.604	-0.001409	0.000921
780.086	0.0002445	0.000954
780.568	0.0007088	0.000826
781.05	1.02E-07	0.000967
781.532	0.000919	0.000775
782.014	-0.0008023	0.000889
782.497	0.0005394	0.000734
782.979	0.0011479	0.000769
783.461	0.0009399	0.000754
783.943	0.0012596	0.000851
784.425	0.00048	0.000476
784.907	0.0014703	0.000617
785.389	-0.000559	0.000563
785.871	0.0006265	0.001124
786.353	-0.0011826	0.000592
786.836	0.0004045	0.000799
787.318	-0.0002401	0.000418
787.8	0.0014693	0.000703
788.282	-0.0004635	0.001133
788.764	0.0015569	0.000922
789.246	0.0005243	0.000823
789.728	0.0001872	0.000665
790.21	-0.0005715	0.001037
790.692	0.0000327	0.000664
791.175	0.0001888	0.000787
791.657	0.0008008	0.001021
792.139	0.0033259	0.001064
792.621	0.000337	0.00085
793.103	-0.0003556	0.000975

Water

AH2O

DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
793.585	-0.0001498	0.001053
794.067	0.0009459	0.001161
794.549	-0.0007627	0.000898
795.032	-0.0010625	0.001047
795.514	0.0018066	0.000706
795.996	0.0010826	0.001374
796.478	-0.0009077	0.000669
796.96	0.000559	0.001128
797.442	0.0020365	0.000622
797.924	0.0002953	0.000952
798.406	0.0024902	0.000811
798.888	0.0009635	0.000898
799.371	0.0007742	0.000885
799.853	-0.0006002	0.000591
800.335	-0.0002904	0.000951
800.817	-0.0004999	0.000543
801.299	-0.00033	0.00097
801.781	-0.0006685	0.000559
802.263	0.0009569	0.001177
802.745	0.0009609	0.000667
803.227	0.000852	0.00065
803.71	0.0027922	0.001002
804.192	0.0018324	0.000883
804.674	0.0004842	0.000493
805.156	0.0002862	0.000636
805.638	-0.0005797	0.001083
806.12	0.0007144	0.000702
806.602	0.0002291	0.000676
807.084	0.0007176	0.001061
807.567	-0.0003608	0.000582
808.049	0.0004657	0.000737
808.531	0.000919	0.000977
809.013	0.0021035	0.00097
809.495	0.0009817	0.001024
809.977	0.0017064	0.000846
810.459	-0.0012752	0.000907
810.941	0.0016859	0.000903
811.423	0.0010794	0.000489
811.906	0.001964	0.000817
812.388	0.0014962	0.000875
812.87	-0.0007144	0.000474
813.352	-0.0002022	0.001028
813.834	-0.0004629	0.000711
814.316	-0.0000144	0.001335
814.798	0.0009493	0.000907

WN (cm-1)	AVE (A.U.)	AD (A.U.)
815.28	0.0005854	0.000929
815.762	0.0013862	0.001696
816.245	0.0001954	0.001865
816.727	0.0000108	0.001878
817.209	0.002714	0.00311
817.691	0.0013727	0.001375
818.173	0.0064074	0.003646
818.655	-0.0072067	0.00943
819.137	0.0010001	0.002522
819.619	-0.0001545	0.001417
820.102	0.001875	0.000817
820.584	0.0012368	0.000818
821.066	-0.000748	0.000828
821.548	0.0007022	0.000538
822.03	0.0007903	0.000566
822.512	-0.0004802	0.000703
822.994	-0.0020406	0.000705
823.476	0.0006139	0.000967
823.959	0.0001427	0.000763
824.441	0.0000819	0.000561
824.923	0.0009175	0.001032
825.405	0.0005791	0.00108
825.887	-0.0012262	0.000825
826.369	-0.0000916	0.001399
826.851	0.0013097	0.000742
827.333	-0.0009751	0.001057
827.816	-0.0002553	0.001233
828.298	-0.0012467	0.00072
828.78	0.0010489	0.000628
829.262	0.0008553	0.000774
829.744	0.0006947	0.000598
830.226	0.00203	0.000717
830.708	-0.0010803	0.000806
831.19	-0.0009615	0.000875
831.672	0.0015706	0.000983
832.155	-0.0012608	0.000625
832.637	0.0013334	0.000875
833.119	0.000877	0.000729
833.601	0.0002812	0.000722
834.083	0.001996	0.000801
834.565	0.0009461	0.000549
835.047	0.0000411	0.000561
835.529	-0.0004333	0.000713
836.011	-0.0003597	0.00063
836.494	0.0012943	0.000603

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
836.976	0.0007398	0.000762
837.458	0.000193	0.000827
837.94	0.0004296	0.000721
838.422	0.0014598	0.000732
838.904	0.0015171	0.000586
839.386	0.0006369	0.00056
839.868	-0.0004119	0.000423
840.351	0.0001945	0.000536
840.833	0.0016368	0.000813
841.315	0.000463	0.0006
841.797	-0.0004364	0.00059
842.279	0.0004654	0.000552
842.761	0.0009595	0.000613
843.243	-0.0001319	0.000548
843.725	0.0001804	0.000884
844.207	-0.0014789	0.00073
844.69	0.0012252	0.000583
845.172	0.0015292	0.000741
845.654	-0.0002253	0.000739
846.136	-0.0000876	0.000861
846.618	0.0009015	0.000866
847.1	0.0005196	0.000583
847.582	0.0000628	0.000573
848.064	-0.0012121	0.000468
848.546	0.0000802	0.000747
849.029	0.0014168	0.001026
849.511	0.0005519	0.000694
849.993	0.0012786	0.000504
850.475	0.0006564	0.000896
850.957	0.0017636	0.000401
851.439	0.0018544	0.00082
851.921	0.0009232	0.000977
852.403	0.0008971	0.000697
852.886	0.0005275	0.001018
853.368	0	0.000722
853.85	0.0005906	0.000634
854.332	-0.0006907	0.000403
854.814	0.0009172	0.000706
855.296	0.000738	0.000492
855.778	0.0011808	0.000827
856.26	0.000779	0.000683
856.742	-0.0005711	0.000716
857.225	0.0002851	0.000566
857.707	-0.0000667	0.000409
858.189	0.0005711	0.000796

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
858.671	0.0002403	0.0008
859.153	-0.0001063	0.000403
859.635	0.0003158	0.0006
860.117	0.0008486	0.000743
860.599	0.001061	0.000478
861.081	-0.000986	0.000558
861.564	0.0011591	0.000576
862.046	0.0004172	0.001084
862.528	-0.0009135	0.000659
863.01	-0.0004958	0.000465
863.492	0.0004023	0.000775
863.974	-0.0001489	0.000467
864.456	0.0005733	0.000486
864.938	0.0002054	0.000827
865.421	0.0015789	0.000868
865.903	0.001575	0.000478
866.385	0.0001406	0.00045
866.867	-0.001044	0.00063
867.349	0.0005492	0.000657
867.831	0.0011912	0.00075
868.313	0.0011683	0.000389
868.795	-0.0001488	0.000636
869.277	-0.0005919	0.000389
869.76	0.0010588	0.000677
870.242	0.0000103	0.000407
870.724	-0.0008333	0.000559
871.206	-0.0000642	0.000573
871.688	0.0006677	0.00032
872.17	0.0000386	0.00054
872.652	-0.001134	0.000541
873.134	0.0003837	0.000618
873.617	0.0009948	0.00034
874.099	-0.0000865	0.000305
874.581	0.0002414	0.000432
875.063	0.0002768	0.000625
875.545	0.0009836	0.000554
876.027	0.0012154	0.000706
876.509	-0.0013392	0.00069
876.991	-0.0004054	0.000444
877.474	-0.0007267	0.000508
877.956	0.0014045	0.000505
878.438	-0.000053	0.000502
878.92	-0.0009902	0.000456
879.402	0.0003136	0.0006
879.884	0.0013878	0.000519

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
880.366	0.0010923	0.000766
880.848	-0.0014349	0.000568
881.33	-0.0008481	0.000455
881.813	0.0001142	0.000553
882.295	-0.0001205	0.000531
882.777	0.000424	0.000536
883.259	-0.0004736	0.000864
883.741	0.0016239	0.000415
884.223	0.0002356	0.000603
884.705	0.0004442	0.000365
885.187	0.000388	0.00078
885.669	0.0001925	0.000739
886.152	0.0003592	0.000415
886.634	-0.0002374	0.000585
887.116	-0.0004718	0.000674
887.598	-0.0002718	0.000559
888.08	-0.0001309	0.000847
888.562	-0.000417	0.00061
889.044	0.0016565	0.00045
889.526	0.0009724	0.000463
890.009	0.0008907	0.000359
890.491	-0.000622	0.00068
890.973	0.0000191	0.000831
891.455	-0.0011003	0.000409
891.937	0.0009335	0.000457
892.419	0.0002021	0.000556
892.901	0.0017807	0.000485
893.383	-0.0007816	0.000519
893.865	0.0001375	0.000633
894.348	0.0005808	0.000656
894.83	0.0001726	0.000503
895.312	0.0003479	0.000409
895.794	0.0006582	0.000331
896.276	0.0003067	0.000461
896.758	-0.0001369	0.000337
897.24	-0.0003294	0.000192
897.722	-0.0005241	0.000549
898.204	0.0001689	0.000538
898.687	0.0004823	0.000428
899.169	0.000241	0.000468
899.651	-0.0003873	0.000713
900.133	0.0013527	0.000595
900.615	0.0009175	0.000696
901.097	-0.0007487	0.000341
901.579	-0.0002233	0.000299

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
902.061	-0.0003329	0.000725
902.544	0.0007626	0.000461
903.026	-0.0001042	0.000347
903.508	-0.0001209	0.000213
903.99	0.0005171	0.000504
904.472	0.0011225	0.000469
904.954	0.0004748	0.000392
905.436	-0.0002736	0.000588
905.918	-0.0005729	0.000203
906.4	0.0007975	0.000541
906.883	-0.0001221	0.000787
907.365	0.0004835	0.000544
907.847	0.0004561	0.00054
908.329	0.0007052	0.000552
908.811	0.0004858	0.000429
909.293	0.0006107	0.000456
909.775	-0.0001346	0.000636
910.257	0.0004182	0.000615
910.739	0.0002503	0.000532
911.222	0.0004331	0.000436
911.704	0.0004406	0.000449
912.186	0.0005875	0.000429
912.668	0.0002777	0.000451
913.15	-0.0002788	0.000349
913.632	0.0002031	0.000725
914.114	0.0003726	0.000568
914.596	0.0001944	0.000598
915.079	0.0006739	0.000574
915.561	0.0001682	0.000427
916.043	-0.0002849	0.000429
916.525	0.0003444	0.000494
917.007	-0.000029	0.00039
917.489	-0.000494	0.000556
917.971	0.0002782	0.000639
918.453	-0.0002547	0.000465
918.935	0.0006822	0.000653
919.418	-0.0004371	0.000541
919.9	-2.35E-06	0.00038
920.382	-0.0005507	0.000375
920.864	0.0003948	0.000474
921.346	0.0002603	0.000404
921.828	0.0008064	0.000645
922.31	0.0017087	0.000415
922.792	-0.0009224	0.000448
923.275	-0.0003086	0.000539

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
923.757	0.0005661	0.000618
924.239	0.0007897	0.000495
924.721	0.0004631	0.000485
925.203	-0.0007701	0.000341
925.685	0.0007796	0.00065
926.167	0.0008207	0.000621
926.649	0.0007319	0.0007
927.132	0.0012239	0.000385
927.614	0.0008933	0.000466
928.096	0.0008961	0.00049
928.578	0.0001166	0.00044
929.06	0.0001743	0.000327
929.542	0.0009434	0.000447
930.024	0.0006558	0.000705
930.506	0.0005527	0.000413
930.988	0.0008257	0.000694
931.471	0.0003525	0.000375
931.953	0.0013945	0.00054
932.435	0.0004212	0.000485
932.917	0.0000378	0.000259
933.399	-0.0001432	0.000675
933.881	0.0005048	0.000749
934.363	-0.0005497	0.001025
934.845	-0.0003406	0.000989
935.328	0.0001269	0.001131
935.81	0.0011821	0.002498
936.292	0.0001966	0.000882
936.774	-1.89E-06	0.000492
937.256	-0.0005371	0.000792
937.738	-0.0009411	0.000326
938.22	0.0002124	0.000331
938.702	0.0007766	0.000377
939.184	0.0000966	0.000454
939.667	0.0015156	0.000337
940.149	-0.0000954	0.000555
940.631	0.0002805	0.000425
941.113	0.0003517	0.000357
941.595	0.0007927	0.000352
942.077	0.0015031	0.000247
942.559	-0.000562	0.000363
943.041	0.0003859	0.000451
943.523	-0.0001649	0.00061
944.006	0.000395	0.000523
944.488	-0.0002416	0.000339
944.97	-0.000385	0.000253

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
945.452	-0.0000289	0.000478
945.934	0.000952	0.000594
946.416	-0.0002374	0.000508
946.898	0.00151	0.000538
947.38	-0.0006811	0.00045
947.863	0.0003885	0.000544
948.345	0.0006038	0.000596
948.827	0.0003346	0.000546
949.309	-0.0004423	0.000461
949.791	0.0001286	0.000256
950.273	0.0000565	0.00046
950.755	0.0006917	0.000409
951.237	-0.0009406	0.000452
951.719	-0.0005009	0.000474
952.202	0.0008369	0.0007
952.684	-0.0010075	0.000322
953.166	0.0006702	0.000338
953.648	0.0003635	0.000851
954.13	0.0014725	0.000382
954.612	-0.0000687	0.000769
955.094	-0.0005563	0.000535
955.576	0.0001323	0.000521
956.058	0.0008187	0.00068
956.541	0.0008098	0.000272
957.023	0.0004033	0.000614
957.505	-0.0007312	0.000506
957.987	0.0007084	0.000422
958.469	0.0004022	0.000518
958.951	-0.0007976	0.000548
959.433	-0.0002765	0.000473
959.915	0.0009222	0.000526
960.398	0.0007046	0.000478
960.88	0.0000874	0.000626
961.362	-0.0000498	0.000457
961.844	-0.0004164	0.000582
962.326	0.000378	0.00054
962.808	-7.57E-06	0.000468
963.29	-0.0005537	0.000334
963.772	0.0005293	0.000482
964.254	0.0009937	0.000416
964.737	0.0002466	0.000504
965.219	0.000129	0.000454
965.701	0.0006627	0.00042
966.183	0.0003184	0.000579
966.665	0.00046	0.00062

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
967.147	0.0003687	0.000579
967.629	0.0012722	0.000578
968.111	-0.000941	0.00051
968.594	0.0007192	0.000457
969.076	0.000149	0.000445
969.558	0.0002262	0.000579
970.04	-0.0002031	0.000374
970.522	0.00086	0.000633
971.004	-0.0007741	0.000406
971.486	0.0008344	0.0003
971.968	0.0008549	0.000566
972.45	0.000353	0.000504
972.933	-0.0004738	0.000517
973.415	-0.0001497	0.000868
973.897	0.0000285	0.000396
974.379	-0.0010623	0.00052
974.861	0.0002484	0.000387
975.343	0.0008715	0.00035
975.825	-0.000199	0.000328
976.307	0.0007278	0.000378
976.79	-0.0004764	0.00065
977.272	0.0011463	0.000484
977.754	-0.0001168	0.000429
978.236	0.0004649	0.000562
978.718	-0.0001423	0.000516
979.2	-0.0006241	0.000414
979.682	-0.0007814	0.000394
980.164	0.0012307	0.000304
980.646	-0.0000304	0.000367
981.129	-0.0002698	0.00052
981.611	0.0003454	0.000561
982.093	-0.0005397	0.00027
982.575	-0.0001401	0.000293
983.057	-0.0004496	0.000344
983.539	-0.0002347	0.000376
984.021	-0.0009526	0.000383
984.503	0.0005064	0.000193
984.986	-0.0006381	0.000431
985.468	0.0000211	0.000328
985.95	-0.0006743	0.000489
986.432	0.0014239	0.000383
986.914	0.0000907	0.000647
987.396	-0.0000553	0.000366
987.878	-0.0004684	0.000582
988.36	0.0005844	0.000379

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
988.842	-0.0006965	0.000553
989.325	0.0011926	0.000564
989.807	-0.0000347	0.000535
990.289	0.0007798	0.000443
990.771	0.0000545	0.000393
991.253	-0.0005008	0.000255
991.735	-0.0008231	0.000469
992.217	0.0014497	0.000568
992.699	0.0001571	0.000335
993.181	0.0000119	0.000446
993.664	0.0001944	0.000536
994.146	0.0003854	0.000534
994.628	0.0006536	0.00032
995.11	0.0008722	0.000465
995.592	-0.0002591	0.000565
996.074	-0.000461	0.000384
996.556	0.0009812	0.00033
997.038	-0.0004392	0.000473
997.521	0.0001554	0.000414
998.003	-0.0006762	0.000652
998.485	0.0008803	0.000575
998.967	0.0015719	0.000354
999.449	0.000158	0.000415
999.931	0.0012844	0.000415
1000.41	-0.0005056	0.000269
1000.89	0.0011004	0.000538
1001.37	0.0007208	0.000425
1001.86	-0.0014038	0.000403
1002.34	0.0007523	0.000554
1002.82	0.0001911	0.000554
1003.3	4.02E-06	0.000581
1003.78	-0.0000242	0.000623
1004.27	-0.0004212	0.000478
1004.75	0.0006775	0.000608
1005.23	0.0004313	0.000273
1005.71	0.0004468	0.000485
1006.19	-0.0005802	0.000574
1006.68	0.0010724	0.000573
1007.16	0.0000729	0.000399
1007.64	0.0004774	0.000398
1008.12	0.0004884	0.000438
1008.6	0.0012594	0.000576
1009.09	0.0007303	0.000539
1009.57	-0.000028	0.000342
1010.05	0.0015952	0.000384

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1010.53	-0.0003202	0.000595
1011.02	0.0014018	0.000502
1011.5	-8.35E-06	0.000516
1011.98	0.0009374	0.00039
1012.46	0.0002821	0.000583
1012.94	0.0004025	0.00042
1013.43	-0.0000694	0.000514
1013.91	0.0012035	0.000264
1014.39	0.0009358	0.000647
1014.87	-0.0002223	0.000559
1015.35	-0.0003711	0.000556
1015.84	-0.0012289	0.000642
1016.32	0.0007803	0.000461
1016.8	0.0009801	0.000708
1017.28	0.000252	0.000737
1017.77	0.0003352	0.000642
1018.25	-0.0001597	0.000488
1018.73	0.0006242	0.00056
1019.21	0.0000971	0.000516
1019.69	0.0003329	0.000678
1020.18	0.0001088	0.000375
1020.66	0.0013033	0.000456
1021.14	-0.0004619	0.00037
1021.62	-0.0002657	0.00038
1022.1	0.0000925	0.00062
1022.59	0.0002427	0.000394
1023.07	-0.0002013	0.000526
1023.55	-0.0000124	0.000571
1024.03	0.0001369	0.000821
1024.52	0.0005902	0.000478
1025	-0.0002092	0.000656
1025.48	0.0005662	0.000577
1025.96	-0.0014487	0.000465
1026.44	0.0008165	0.000562
1026.93	-0.0004325	0.000623
1027.41	-0.000088	0.000585
1027.89	-0.0003433	0.000381
1028.37	-0.0004443	0.000609
1028.85	0.0005549	0.000472
1029.34	0.0003655	0.000604
1029.82	-0.0006679	0.000499
1030.3	0.0017635	0.000412
1030.78	0.000571	0.000377
1031.26	0.0010926	0.000445
1031.75	0.0008612	0.00083

AH2O

DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1032.23	0.0004055	0.000601
1032.71	0.0008815	0.000638
1033.19	-0.0009532	0.000597
1033.67	-0.0024665	0.000542
1034.16	-0.0004806	0.000504
1034.64	0.0003665	0.000655
1035.12	0.0006078	0.00031
1035.6	0.0006671	0.000484
1036.08	-0.0008359	0.000595
1036.57	0.0007299	0.000678
1037.05	-0.0007247	0.000335
1037.53	0.0007475	0.000434
1038.01	-0.0002332	0.000486
1038.49	0.0001704	0.000462
1038.98	0.0001713	0.000394
1039.46	-0.0005943	0.000469
1039.94	0.0009366	0.000734
1040.42	0.0007508	0.000681
1040.9	0.0003146	0.000488
1041.39	-0.0007251	0.000611
1041.87	0.0006494	0.000414
1042.35	0.0012631	0.000481
1042.83	-0.0005853	0.000663
1043.32	0.0007426	0.000599
1043.8	0.0006059	0.000475
1044.28	0.0010441	0.000465
1044.76	0.000925	0.000573
1045.24	0.0001918	0.000388
1045.73	0.0008439	0.000838
1046.21	0.0010018	0.000294
1046.69	0.0017921	0.000511
1047.17	0.0006445	0.000462
1047.65	-0.0000449	0.000401
1048.14	-0.0005515	0.000406
1048.62	0.0009121	0.000392
1049.1	0.0008474	0.000326
1049.58	0.0010942	0.000652
1050.06	-0.0002325	0.000664
1050.55	0.0005354	0.000724
1051.03	0.0010734	0.000838
1051.51	0.0018547	0.000644
1051.99	0.0015798	0.000643
1052.47	-0.0006383	0.000545
1052.96	-0.0004895	0.000559
1053.44	-0.0002989	0.00048

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1053.92	0.0004379	0.001014
1054.4	-0.0004203	0.00077
1054.88	-0.0002504	0.000318
1055.37	0.0011124	0.000566
1055.85	-0.0001341	0.000601
1056.33	0.0002789	0.00054
1056.81	0.0016063	0.00058
1057.29	0.0001912	0.000584
1057.78	-0.0008024	0.000709
1058.26	-0.000078	0.000548
1058.74	0.0011194	0.000894
1059.22	-0.0000746	0.000558
1059.71	0.0003909	0.000694
1060.19	0.0004905	0.000447
1060.67	-0.0007939	0.00054
1061.15	-0.0002092	0.000597
1061.63	0.0010374	0.000484
1062.12	-0.0005937	0.000521
1062.6	0.0003153	0.000683
1063.08	0.0009667	0.000375
1063.56	0.0004811	0.000716
1064.04	0.0005575	0.000706
1064.53	0.0008127	0.000566
1065.01	0.0005869	0.000675
1065.49	-0.0002582	0.00065
1065.97	0.0001816	0.000519
1066.45	0.0004873	0.00035
1066.94	-0.0005652	0.000533
1067.42	-0.0005846	0.000555
1067.9	0.0000698	0.000574
1068.38	0.0004615	0.000445
1068.86	0.000019	0.000495
1069.35	0.0006091	0.00051
1069.83	0.0000157	0.000425
1070.31	-0.0000648	0.00034
1070.79	0.0016359	0.000738
1071.27	0.0002028	0.000465
1071.76	0.0005665	0.000874
1072.24	0.0008654	0.000414
1072.72	0.0002774	0.000805
1073.2	0.000031	0.000805
1073.68	-0.0014412	0.000604
1074.17	-0.0001973	0.00065
1074.65	-0.0001633	0.000457
1075.13	0.0004164	0.000468

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1075.61	0.0004042	0.000399
1076.09	-0.0003627	0.000402
1076.58	-0.0002063	0.000731
1077.06	0.0015164	0.000877
1077.54	0.0005409	0.000526
1078.02	0.0011956	0.000375
1078.51	0.000353	0.000651
1078.99	0.0008959	0.000627
1079.47	0.0007143	0.000517
1079.95	0.000817	0.000478
1080.43	0.0018814	0.000602
1080.92	-0.0004501	0.000391
1081.4	-0.0007986	0.000625
1081.88	0.0002406	0.000687
1082.36	-0.0001271	0.000655
1082.84	0.0007985	0.000423
1083.33	0.0014781	0.000431
1083.81	0.0003047	0.000874
1084.29	0.0011998	0.000517
1084.77	0.0004354	0.000605
1085.25	0.0017052	0.000688
1085.74	-0.0003022	0.000779
1086.22	0.0006823	0.00054
1086.7	0.001449	0.000552
1087.18	0.0004584	0.000428
1087.66	-0.00023	0.000534
1088.15	0.0008605	0.000731
1088.63	0.0007278	0.000744
1089.11	-0.0000598	0.000305
1089.59	0.0005886	0.000411
1090.07	0.000599	0.000627
1090.56	-0.0005715	0.000455
1091.04	0.0013019	0.000599
1091.52	0.0014957	0.000847
1092	0.001214	0.000543
1092.48	0.0007565	0.000527
1092.97	0.0002359	0.000325
1093.45	-5.38E-06	0.000805
1093.93	0.0000737	0.000732
1094.41	-0.000182	0.000392
1094.9	-0.0000642	0.000591
1095.38	0.0007498	0.000446
1095.86	-0.0002802	0.00045
1096.34	-0.0002193	0.00056
1096.82	0.0006779	0.000766

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1097.31	0.0021152	0.000519
1097.79	0.0000706	0.000514
1098.27	-0.000293	0.000738
1098.75	-0.000014	0.000532
1099.23	0.0003913	0.000435
1099.72	-0.0003527	0.000587
1100.2	-0.0006349	0.000609
1100.68	0.001166	0.00065
1101.16	0.000472	0.000329
1101.64	0.0004129	0.000414
1102.13	-0.0012237	0.000613
1102.61	-0.000047	0.000455
1103.09	0.0009862	0.000474
1103.57	0.0026743	0.000635
1104.05	0.0020153	0.000787
1104.54	0.0000423	0.00076
1105.02	-0.0000736	0.000657
1105.5	-0.00023	0.00057
1105.98	-0.0002995	0.000631
1106.46	0.0009919	0.000668
1106.95	0.0003124	0.000449
1107.43	-0.0016037	0.000419
1107.91	0.0000859	0.000511
1108.39	-0.0005769	0.000777
1108.87	0.0013006	0.000592
1109.36	0.0009208	0.000589
1109.84	-0.0003342	0.000566
1110.32	0.0002893	0.000609
1110.8	0.0000371	0.00051
1111.28	0.0012153	0.000616
1111.77	-0.0003383	0.000681
1112.25	0.0000275	0.000656
1112.73	0.0012223	0.000775
1113.21	0.0013346	0.000627
1113.7	0.0016409	0.000593
1114.18	-6.67E-07	0.000473
1114.66	-0.0004601	0.000518
1115.14	-0.0000436	0.000464
1115.62	-0.0008132	0.00061
1116.11	0.000435	0.000666
1116.59	0.0006059	0.001141
1117.07	-0.0000268	0.000631
1117.55	-0.000294	0.000617
1118.03	0.0015	0.000619
1118.52	0.0007217	0.000644

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1119	0.0025371	0.000477
1119.48	-0.0005378	0.000613
1119.96	-0.0000394	0.000595
1120.44	-0.000041	0.000734
1120.93	0.0004609	0.000936
1121.41	0.0000598	0.000891
1121.89	0.0004382	0.000466
1122.37	-0.0006443	0.000631
1122.85	0.0002973	0.000592
1123.34	0.0000985	0.000628
1123.82	0.0025117	0.000604
1124.3	0.0003461	0.000669
1124.78	0.0003673	0.0008
1125.26	8.34E-07	0.000448
1125.75	0.0002771	0.00047
1126.23	0.0003707	0.00057
1126.71	0.0001272	0.000703
1127.19	-0.000962	0.000665
1127.67	-0.0001162	0.000659
1128.16	-0.0000323	0.000603
1128.64	0.0009489	0.000717
1129.12	-0.0011344	0.000598
1129.6	-0.0001036	0.000463
1130.09	0.0002485	0.000403
1130.57	0.0010324	0.000554
1131.05	0.0005789	0.000428
1131.53	-0.0002838	0.000855
1132.01	-0.0013097	0.000306
1132.5	0.0002114	0.000623
1132.98	0.0004946	0.000464
1133.46	-0.0010244	0.000475
1133.94	-0.000424	0.000665
1134.42	0.000473	0.000283
1134.91	0.0004591	0.000318
1135.39	0.0000136	0.000734
1135.87	0.001517	0.000523
1136.35	0.0005238	0.000748
1136.83	0.0009512	0.000569
1137.32	-0.0001952	0.000698
1137.8	-0.0013838	0.000304
1138.28	0.000729	0.000557
1138.76	0.0007167	0.000651
1139.24	0.0006073	0.000776
1139.73	-0.0000238	0.000366
1140.21	0.0008546	0.000649

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1140.69	-0.0003718	0.000513
1141.17	0.0005776	0.000602
1141.65	0.0000871	0.000398
1142.14	0.0003888	0.00042
1142.62	0.0002487	0.000792
1143.1	-0.0005308	0.000598
1143.58	-0.0003347	0.0008
1144.06	-0.0005467	0.000755
1144.55	0.0000132	0.000627
1145.03	0.0007761	0.000736
1145.51	0.0001446	0.000383
1145.99	0.0005467	0.000528
1146.48	0.0000239	0.000511
1146.96	-0.0008753	0.00066
1147.44	-0.0000258	0.000615
1147.92	-0.0000544	0.00031
1148.4	0.0001261	0.000432
1148.89	-0.0002045	0.00044
1149.37	9.36E-06	0.000516
1149.85	-0.0001718	0.000314
1150.33	-0.0001833	0.00049
1150.81	0.0004739	0.000294
1151.3	0.000374	0.000722
1151.78	-0.0000183	0.000431
1152.26	0.0001759	0.000509
1152.74	-0.0001162	0.00035
1153.22	-0.0002901	0.00036
1153.71	0.0008341	0.000451
1154.19	0.0001941	0.000391
1154.67	0.0008638	0.000819
1155.15	0.0004713	0.000255
1155.63	-0.0007483	0.000307
1156.12	0.0004381	0.000365
1156.6	0.0001226	0.000677
1157.08	0.0000997	0.000334
1157.56	-0.0001884	0.000387
1158.04	0.0004114	0.000465
1158.53	0.0011189	0.000404
1159.01	0.0000935	0.000477
1159.49	0.0005631	0.000457
1159.97	0.0001822	0.000446
1160.45	0.0001703	0.000415
1160.94	0.0006641	0.000401
1161.42	0.0014017	0.000486
1161.9	0.0006613	0.000358

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1162.38	-0.0006539	0.000388
1162.86	-3.79E-06	0.000541
1163.35	0.000131	0.00031
1163.83	0.0002046	0.000374
1164.31	0.0004572	0.000237
1164.79	0.0012338	0.000376
1165.28	-0.0010199	0.000559
1165.76	-0.0004302	0.000322
1166.24	-0.0001038	0.000372
1166.72	0.0008318	0.000576
1167.2	-0.0000103	0.000716
1167.69	0.0008225	0.00026
1168.17	0.0000561	0.000576
1168.65	-0.0000516	0.000552
1169.13	-0.0005839	0.000636
1169.61	-0.0003833	0.000946
1170.1	-0.0002788	0.000657
1170.58	0.0000559	0.000527
1171.06	0.0011891	0.000421
1171.54	0.0005991	0.000506
1172.02	0.0005698	0.00043
1172.51	0.0001185	0.000255
1172.99	-0.0004719	0.00052
1173.47	0.0002672	0.000385
1173.95	0.0006419	0.000378
1174.43	0.0010221	0.000429
1174.92	-0.0006011	0.000558
1175.4	-0.000056	0.000334
1175.88	0.0009587	0.000415
1176.36	-0.000935	0.000463
1176.84	-0.0004498	0.000572
1177.33	-0.0012488	0.000392
1177.81	0.0004374	0.000595
1178.29	-0.0000843	0.000284
1178.77	-0.000211	0.000345
1179.25	-0.0000333	0.000355
1179.74	0.0005314	0.000298
1180.22	-0.0002877	0.000341
1180.7	-0.0004744	0.00032
1181.18	-0.0001884	0.000417
1181.67	0.0001671	0.000366
1182.15	0.0005616	0.000419
1182.63	0.0008386	0.000352
1183.11	0.0000616	0.000274
1183.59	-0.0002374	0.000452

Water

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1184.08	-0.0010026	0.000252
1184.56	-0.0004674	0.000384
1185.04	-0.0002758	0.000358
1185.52	0.0001707	0.000509
1186	0.0001362	0.00041
1186.49	0.0008237	0.000378
1186.97	0.0010171	0.000341
1187.45	-0.0001726	0.000376
1187.93	0.0005937	0.000281
1188.41	0.0000209	0.000441
1188.9	-0.0000657	0.000318
1189.38	-0.0004793	0.000312
1189.86	-0.0007217	0.000459
1190.34	-0.0001158	0.000478
1190.82	-0.0005494	0.00028
1191.31	-0.0003839	0.000375
1191.79	0.0002195	0.00051
1192.27	-0.0001285	0.000453
1192.75	0.0004891	0.000318
1193.23	0.0007108	0.000396
1193.72	0.0006932	0.000313
1194.2	0.0004076	0.000392
1194.68	-0.0000616	0.000368
1195.16	-0.000087	0.000272
1195.64	-0.0002589	0.000347
1196.13	-0.0000626	0.000382
1196.61	-0.0002125	0.000491
1197.09	-0.0007037	0.000415
1197.57	0.0010087	0.000396
1198.06	0.0005473	0.000358
1198.54	-0.0001341	0.000479
1199.02	0.0010017	0.000384
1199.5	-0.0002027	0.000284
1199.98	-0.0000641	0.000284
1200.47	-0.0006165	0.000339
1200.95	0.0002243	0.000415
1201.43	-0.0000468	0.000332
1201.91	0.0005312	0.000458
1202.39	0.0006558	0.000359
1202.88	-0.0000316	0.000308
1203.36	-0.0006628	0.000292
1203.84	0.0003632	0.000216
1204.32	-0.00053	0.000358
1204.8	-0.0000233	0.00046
1205.29	-0.0002712	0.000315

AH2O
DH2O

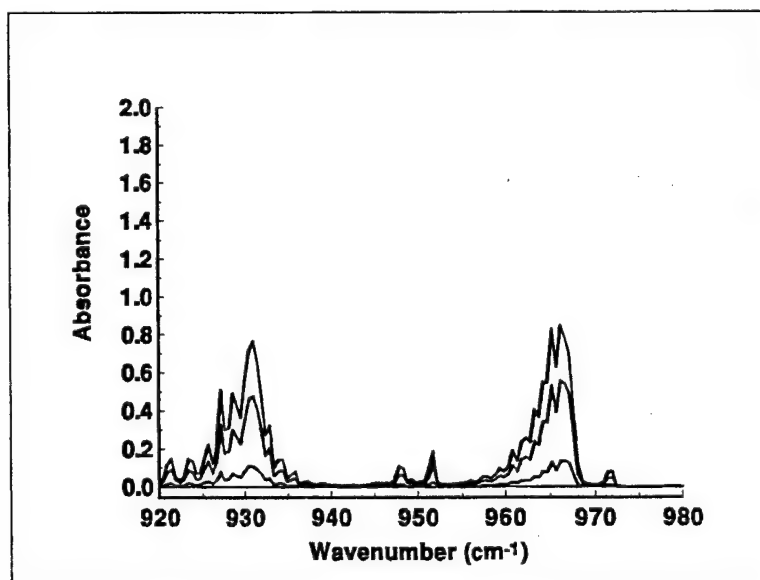
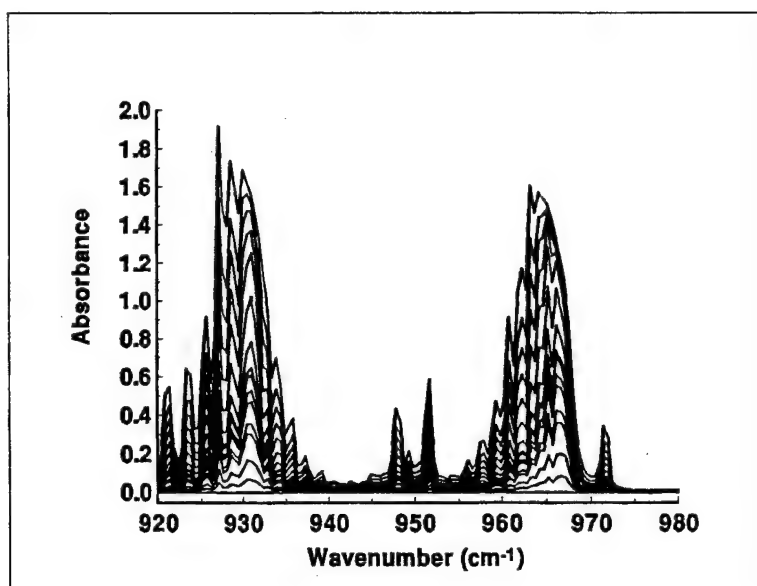
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1205.77	0.0000733	0.000479
1206.25	0.0000587	0.000543
1206.73	-0.0005521	0.000457
1207.21	0.000203	0.000274
1207.7	-0.0000789	0.000483
1208.18	-0.0003032	0.000274
1208.66	-0.0003724	0.00051
1209.14	-0.0004614	0.000404
1209.62	0.0004276	0.000397
1210.11	-0.0001427	0.000248
1210.59	0.000218	0.000441
1211.07	-0.0001711	0.000391
1211.55	0.000803	0.000285
1212.03	0.0012787	0.000308
1212.52	0.0000185	0.000323
1213	-0.000059	0.000211
1213.48	0.0002527	0.000391
1213.96	0.0001594	0.000412
1214.45	-0.0007855	0.00032
1214.93	-0.0004047	0.000368
1215.41	0.0004572	0.000384
1215.89	-0.0002727	0.000357
1216.37	-0.0008888	0.000518
1216.86	0.0002517	0.000435
1217.34	-0.0005886	0.000443
1217.82	-0.0002134	0.000336
1218.3	0.0001936	0.00032
1218.78	-0.0007374	0.000425
1219.27	-0.0007656	0.000573
1219.75	-0.0010043	0.000467
1220.23	-0.0006325	0.0003
1220.71	-0.0001962	0.000282
1221.19	-0.00081	0.000316
1221.68	0.0008043	0.000693
1222.16	-0.0001155	0.000366
1222.64	-0.0001903	0.000508
1223.12	-0.000116	0.00045
1223.6	-0.0005804	0.00063
1224.09	0.000539	0.000332
1224.57	0.0002978	0.00037
1225.05	0.0011908	0.000448
1225.53	0.0010292	0.000648
1226.01	-0.0010961	0.000474
1226.5	0.0004511	0.000622
1226.98	-0.0003623	0.000508

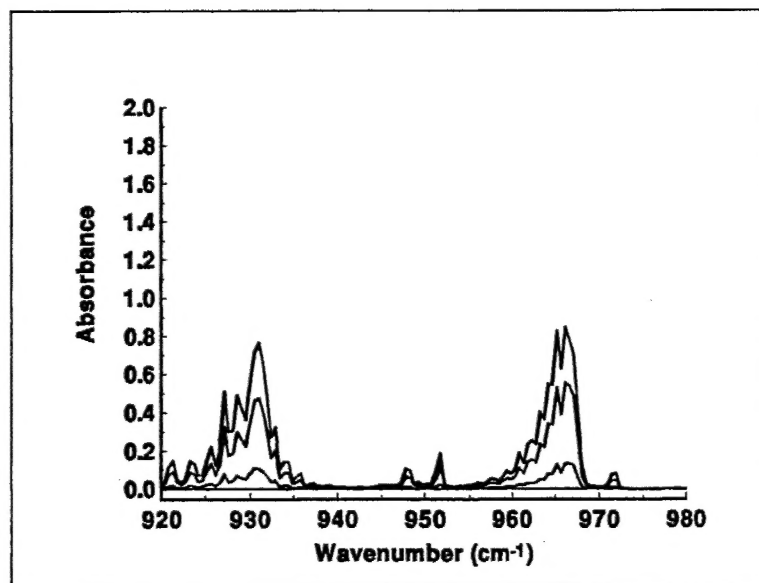
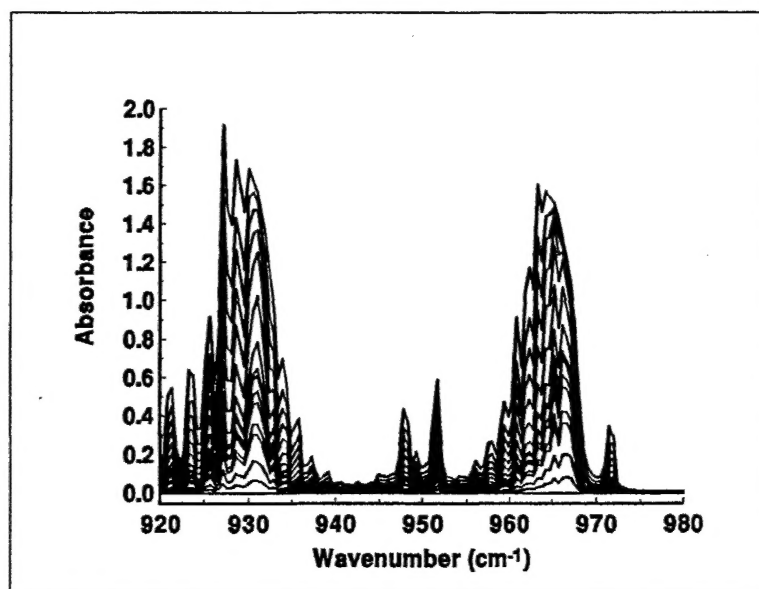
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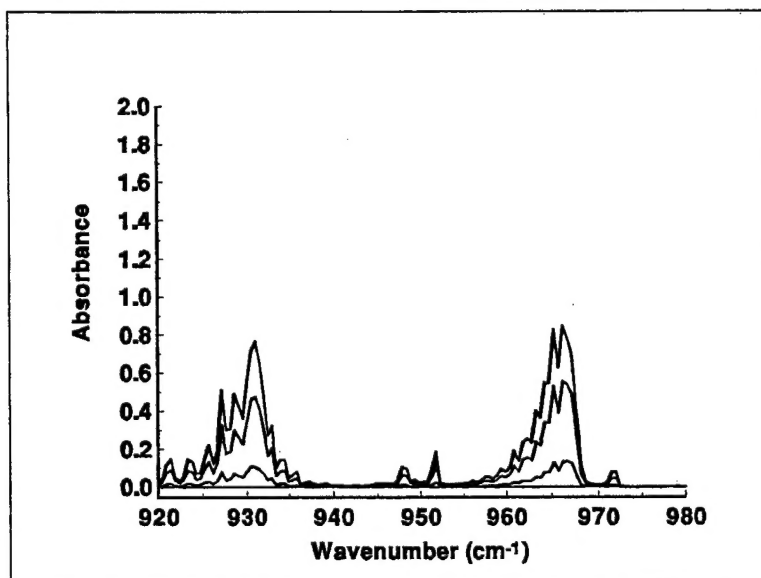
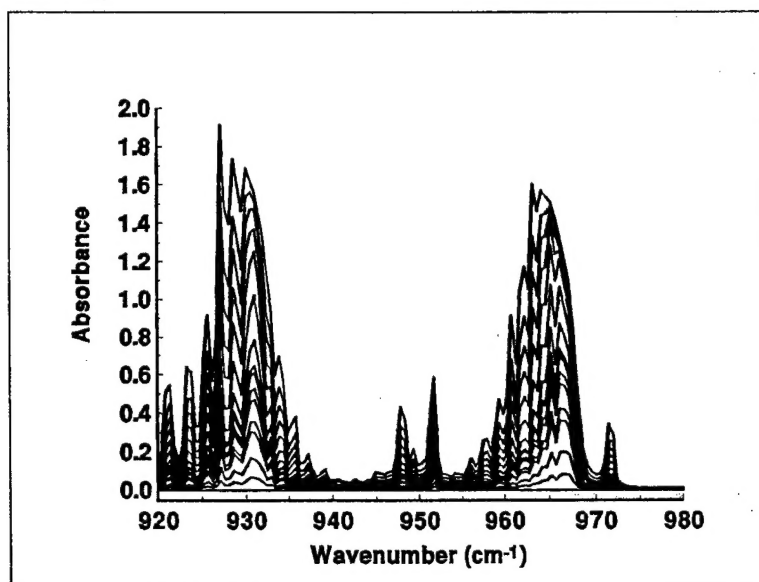
WN (cm-1)	AVE (A.U.)	AD (A.U.)
1227.46	0.0006965	0.000472
1227.94	-0.000366	0.000747
1228.42	0.0003037	0.000414
1228.91	0.0005292	0.000641
1229.39	-0.0003402	0.000653
1229.87	-0.0002412	0.000446
1230.35	-0.000439	0.000181
1230.83	-0.0005033	0.000408
1231.32	-0.0003181	0.000455
1231.8	-0.0007424	0.000399
1232.28	-0.000414	0.000256
1232.76	0.0002179	0.000528
1233.25	-0.0009025	0.000265
1233.73	0.0007595	0.000396
1234.21	0.0023841	0.000388
1234.69	-0.0011153	0.000487
1235.17	0.0013845	0.000318
1235.66	-0.0000726	0.000342
1236.14	-0.0011938	0.000401
1236.62	-0.0007654	0.000835
1237.1	-0.0014635	0.000463
1237.58	-0.0004533	0.000732
1238.07	0.00142	0.000627
1238.55	0.0004505	0.00054
1239.03	-0.0008318	0.0007
1239.51	0.0006268	0.000361
1239.99	0.0002205	0.00072
1240.48	-0.000392	0.000336
1240.96	0.0005015	0.000339
1241.44	-0.000971	0.000359
1241.92	-0.0000958	0.000418
1242.4	-0.0010703	0.000264
1242.89	0.0003877	0.000468
1243.37	0.0001771	0.000242
1243.85	0.0010674	0.000271
1244.33	0.0000995	0.000589
1244.81	5.17E-06	0.000321
1245.3	-0.0005148	0.000257
1245.78	0.0007834	0.000317
1246.26	0.0004534	0.000363
1246.74	-0.0008486	0.000485
1247.22	-0.0003592	0.000327
1247.71	-0.0001964	0.000427
1248.19	0.0002158	0.000374
1248.67	-0.0009563	0.000419

AH2O
DH2O

WN (cm-1)	AVE (A.U.)	AD (A.U.)
1249.15	0.0002237	0.000497
1249.63	0.0005168	0.000381
1250.12	-0.0010556	0.000383



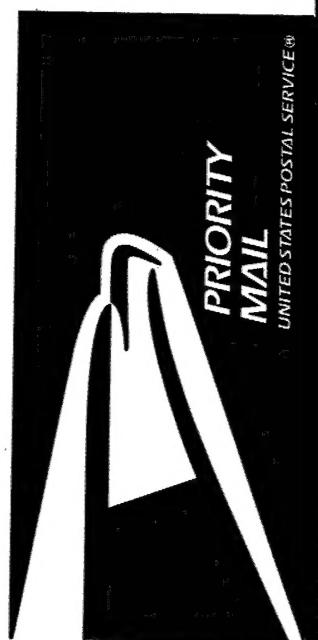




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